**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): Oregon 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(524) | | **Transportation Pooled Fund Program - Report Period:**  □Quarter 1 (January 1 – March 31) **X**  □Quarter 2 (April 1 – June 30)  □Quarter 3 (July 1 – September 30)  □Quarter 4 (October 1 – December 31) | |
| **Project Title:** Stormwater Management to Address Highway Runoff Toxicity Due to 6PPD-Quinone from Tire Rubber | | | |
| **Name of Project Manager(s):**  Kira Glover-Cutter | **Phone Number:**  971.701.0051 | | **E-Mail:** kira.m.glover-cutter@odot.oregon.gov |
| **Lead Agency Project ID:**  RFI - 00081678 - 6PPD-Q Stormwater | **Other Project ID (i.e., contract #):** | | **Project Start Date:**  January 2024 |
| **Original Project End Date:**  2028 | **Current Project End Date:**  2028 | | **Number of Extensions:**  na |

Project schedule status:

□ **X** 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** |
| $1.16M |  | na |

***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** |
| na | na | 0% |

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| **Project Description**:  This research aims to equip DOTs with a targeted approach for effectively managing 6PPD-q in highway runoff by 1) developing methods/criteria for identifying locations that need focused treatment, 2) developing a better understanding of the fate and transport of 6PPD and 6PPD-q, 3) developing cost-effective design guidance for stormwater treatment and management techniques with a focus on reducing the effects of 6PPD-q on receiving waters, and 4) evaluating the degree of 6PPD-q release from pavement products made from recycled tire materials. This research will also assist with providing regulatory agencies with a better understanding of DOT management options including the feasibility, limitations, and effectiveness of treatment methods. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**   * USGS delivered slimmed down version of SOW in March, to-date reviewed by ODOT and FHWA. ODOT Project Manager extended leave has delayed TAC review. Now aiming to share revised version with TAC by end of May 2025. Contract language for JFA finalized and ready for DOJ review once SOW is finalized. USGS final matching funds $350K to assist with project site and sampling analyses costs and includes parallel effort for assessing 6PPD-Q proxy effort. Goal is still to have project start by August 2025 or sooner. Six sites in four states proposed for an approximate cost of $185K per site for equipment installation and two years of monitoring (2 in California, 1 in Oregon, 1 in Washington, and 2 in Massachusetts that includes a control site and site with tire derived aggregate.) |

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| **Anticipated work next quarter:**   * TAC SOW edits, site selection finalization, and contract DOJ review and execution expected for next quarter. |

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| **Significant Results:**  na |
| **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).**  na |

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| **Potential Implementation:**  After TAC meeting and FHWA input refocused and slimmed down version of SOW deliverables will include: 1) 6PPD-Q focused highway runoff database and assessment of the performance of commonly used, low-cost and low-maintenance BMPs by implementing high-quality field-based monitoring approaches for six nationwide locations (California (2), Massachusetts (2), Oregon (1), Washington (1)). Each location will have site specific parameters that will be included in the database, and the site-specific performance of the BMP will also be assessed. 2) Monitoring of runoff and BMP performance at a location that incorporates recycled tire products, together with a control location that does not contain recycled tire material is also integrated in this scope of work. 3) To supplement this 6PPD research monitoring effort and support potential future needs of state DOTs, the USGS will also perform a complementary research effort to assess low-cost proxy methods for quantifying 6PPD-Q. |