**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): Colorado Department of Transportation (CDOT)

**INSTRUCTIONS:**

*Lead Agency contacts 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 #**  TPF-5(380) | | **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) | |
| **TPF Study Number and Title:**  **TPF 5(380) – Autonomous Maintenance Technology** | | | |
| **Lead Agency Contact:**  **David Reeves** | **Lead Agency Phone Number:**  **303-757-9518** | | **Lead Agency E-Mail:**  David.reeves@state.co.us |
| **Lead Agency Project ID:**  **5(380)** | **Other Project ID (i.e., contract #):** | | **Project Start Date:**  3/20/2018 |
| **Original Project Start Date:**  **3/20/2018** | **Original Project End Date:**  **3/20/2023** | | **If Extension has been requested, updated project End Date:**  3/20/2025 |

Project schedule status:

□ On schedule 🗹 On revised schedule □ Ahead of schedule □ Behind schedule

Overall Project Statistics:

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| **Total Project Budget** | **Total Funds Expended**  **This Quarter** | **Percentage of Work**  **Completed to Date** |
| $452,937 | n/a | 60% |

### Current Projects

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| --- | --- | --- | --- | --- |
| **ID** | **PROJECT NAME** | **PI/VENDOR** | **Champion** | **Status** |
| 5380-18-01 | Autonomous Maintenance Technology Pool Fund Management add on | Erika Miller - CSU | n/a | ACTIVE |
| 5380-19-03 | Development of ATMA/AIPV Deployment Guidelines Considering Traffic and Safety Impacts | Xianbiao (XB) Hu - PennState | Ashley Nylen | ACTIVE |
| 5380-20-06 | ATMA Documentation | Xianbiao (XB) Hu - PennState | Ashley Nylen | CONTRACTS |
| 5380-21-07 | ATMA Incident Form Workshop | All Clear | Tyler Weldon | Complete |
| 5380-21-08 | ATMA Cost-Benefits - Planning and Investing with informed Cost Benefit under Various Environments | Husain Aziz (PI)  Kansas State | Sally Mayer (KDOT) | CONTRACTS |
| 5380-22-09 | Literature Review Synthesizing the current and Potential ATMA Applications | Erika Miller - CSU | Jim Fox | COMPLETE |
| 5380-22-10 | Impact Performance of AIPV with TMA | Roger Bligh - Texas A&M | Larry Schwartz (CalTrans)  Jim Fox (CDOT) | CONTRACTS |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**  Amended TPF 5(380) Pooled Fund Mission Statement to form a Pooled Fund Steering Committee  Finalized Tool Kit  2023 Annual Peer Review  Begin transfer to Indiana DOT as lead state |
| **Anticipated work next quarter**:  In the 1st quarter of 2024, the team plans to accomplish the following:  Continued monthly meetings  Quarterly report and project status  Maintaining and updating outwardly facing website  Continued work on all projects and contract projects  Organizing Annual Autonomous Maintenance Technology (AMT) Peer Exchange |

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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:** |