**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): \_\_\_\_Texas Department of Transportation (TxDOT) X

**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 #**  SPR TPF-5(440)  \*Previously SPR TPF-5(198) | | **Transportation Pooled Fund Program - Report Period:**  □ Quarter 1 (January 1 – March 31)  □ Quarter 2 (April 1 – June 30)  □ Quarter 3 (July 1 – September 30)  X Quarter 4 (October 1 – December 31) | |
| **Project Title:**  Support for Urban Mobility Analyses (SUMA) | | | |
| **Name of Project Manager(s):**  Peggy Thurin | **Phone Number:**  (512) 486-5024 | | **E-Mail**  Peggy.Thurin@txdot.gov |
| **Lead Agency Project ID:**  22203 | **Other Project ID (i.e., contract #):**  SPR TPF 1505 | | **Project Start Date:**  09/01/21 |
| **Original Project End Date:**  8/31/23 | **Current Project End Date:**  08/31/23 | | **Number of Extensions:**  0 |

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** |
| $900,000 | $98,805 | 11% |

***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** |
| $98,805  11% | 98,805 | 11% |

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| **Project Description**:  **Background:**  This study is a continuation of project SPR TPF-5(198), now TPF-5(440), with the same scope, objectives and contractor  (Texas A&M Transportation Institute – TTI).  **Objectives:**  The PFS scope focuses on urban mobility and reliability performance measures, data and issues. New emphasis areas  include emerging data sources, freight movement, arterial street mobility issues, reliability performance measures, and addressing the agency challenges for FAST Act requirements. These objectives are satisfied through work in the  following 6 Task areas:  Task 1: Evaluate Mobility Datasets – investigating new and emerging datasets for mobility and origin-destination analyses.  Task 2:Understanding Traffic Reduction Impacts on Key Performance Measures – evaluate the relationships between reductions in traffic and standard mobility and reliability performance measures.  Task 3: Develop Performance Assessment and Evaluation Analytical Tools – expand the performance measures included in the in the Future Improvement Examination Implementation Tool (FIXiT).  Task 4: Syntheses Development – developing syntheses on key topic areas related to urban mobility at sponsor direction.  Task 5: Support Sponsoring Agencies – provide assistance to sponsors on application of products in their planning,  operations and performance measurement activities and provide contract project management functions.  Task 6: Meeting Support – plan, develop and implement a peer exchange for sponsors to discuss work  task accomplishments, develop the future work plan and peer exchange with each other. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**  Information is provided below for each task (as defined in section above):  Task 1: Conducted survey to solicit mobility platform user information from SUMA sponsors, consolidated feedback, and developed a questionnaire to guide discussions with sponsors during the October and November kick off meetings.  Continued discussions sessions with sponsor DOTs regarding Iteris ClearGuide experiences. Prepared agenda and  presentation material for Webinar #1, scheduled for January 27, 2022.  Task 2: Performed initial reviews of urban areas to be considered and developed a matrix of characteristics for selecting  the 6 urban areas to be analyzed. Begin reviewing data on one of the selected study areas, developed graphs of COVID  health data to used as a template in the other selected urban study areas. Begin work in obtaining COVID data in the  other urban study areas.  Task 3: Started identifying the approach to update the FIXiT tool. Provided demo of the tool during the October and  November kick off meetings. Coordinated with stakeholder group to guide development of the tool. Begin work on the  greenhouse gas equations that will be incorporated into the tool.  Task 4: Kicked off the task by refining framework in which equity performance monitoring will be addressed, began  developing a draft outline for the first webinar, which was presented on December 17th and 20th. Continued literature and  review of transportation equity concepts and practices.  Task 5: Sponsor communication and support via telephone calls and email correspondence.  Task 6: Prepared for and conducted the October and November kickoff meetings. Two meetings were conducted to  provide the large group with alternative attendance options. |
| **Anticipated work next quarter**:  Task 1: Conduct a scheduled Webinar on January 27, 2022. Continue gathering data, investigating product reviews,  and assessing platform tools experiences.  Task 2: Continue working in collecting and evaluating COVID data and the impacts on mobility performance measures in  the selected study areas.  Task 3: Continued work on greenhouse gas equations that will be incorporated into FIXiT.  Task 4: Brainstorm next steps and timeline for the second phase of this task. Continue synthesizing input, resources  and experiences related to transportation equity.  Task 5: Continue providing communication support via telephone, email, or virtual meetings.  Task 6: No scheduled meeting during next quarter, the annual meeting is scheduled for May 2022. |

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| **Significant Results:**  See “Progress this Quarter,” and noted deliverables in that section. |
| **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 during this quarter. |

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| **Potential Implementation:**  Work this quarter has numerous positive impacts on sponsoring-agency decision-making, including:   * Evaluating (and understanding) mobility datasets, particularly origin-destination data (Task 1) * Recognizing impacts of the COVID-19 pandemic on travel behavior (Task 2) * Describing the methodology and updates to the FIXiT Tool that will also serve as a User Guide (Task 3) * Defining transportation equity and the assessment impact on planning, policy, and processes (Task 4) * Understanding how peer agencies are handling similar challenges (via annual meeting discussion) |