**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)  x Quarter 3 (July 1 – September 30)  □ 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:**  8/22/19 |
| **Original Project End Date:**  8/31/21 | **Current Project End Date:**  08/31/21 | | **Number of Extensions:**  0 |

Project schedule status:

□ 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** |
| $810,000 | $777,224.24 | 95% |

***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** |
| $143,058.03  15% | $143,058.30 | 95% |

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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: Develop Freight Measures for System Performance Evaluation – developing and applying methodologies to  compute freight commodity values and resiliency.  Task 3: Develop Performance Assessment and Evaluation Analytical Tools – integrating a suite of measures into a visual demonstration and developing upgrades to the Future Improvement Examination Implementation Tool (FIXIT) for sketch-planning.  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: Support Travel to Annual Meeting – 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: No work conducted this quarter. All deliverables for this task were completed in the previous quarter.  Task 2: Continued data analysis for identified project locations for the resiliency analysis. Began and completed the final deliverable technical memorandum. Delivered the final technical memorandum to project sponsors to complete this task.  This completed the task deliverable requirement.  Task 3: Completed the update to the FIXiT Enhanced 4.0 Tool. Documented the User’s Guide for the FIXiT Enhanced 4.0  Tool in a technical memorandum. Delivered the FIXiT Enhanced 4.0 tool (Excel) and User’s Guide (technical  memorandum) to project sponsors. This completed all task deliverables.  Task 4: Completed all writing, figures and editing for “Keys to Estimating Urban Mobility, 3rd Edition – 2021” Report update. The final version was delivered to the pooled fund sponsors. Also completed all writing and editing for the “Framework for Data  Consumer Reports” technical memorandum and submitted it to all SUMA sponsors. This completed all task deliverables.  Task 5: Conducted sponsor communication and support via telephone calls and email correspondence. Began work on, and completed, the technical memorandum summarizing all SUMA FY 2021 deliverables, and distributed that technical  memorandum to all project sponsors. This completed all task deliverables.  Task 6: No work conducted this quarter. All deliverables for this task were completed in the previous quarter. |
| **Anticipated work next quarter**:  There is no further work anticipated next quarter, project closed on August 31, 2021.  Task 1: No further work. Deliverables completed.  Task 2: No further work. Deliverables completed.  Task 3: No further work. Deliverables completed.  Task 4: No further work. Deliverables completed.  Task 5: No further work. Deliverables completed.  Task 6: No further work. Deliverables completed. |

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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 or throughout the project closeout date. |

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| **Potential Implementation:**  Work this quarter has numerous positive impacts on sponsoring-agency decision-making, including:   * Understanding system resilience measures and their application (Task 2) * Performing sketch-planning analyses to identify delay-reduction impacts of selected congestion-mitigating   solutions (Task 3)   * Evaluating (and understanding) mobility datasets, particularly origin-destination data (Task 4) * Understanding and applying key performance measures for urban mobility analyses (Task 4) |