**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)X Quarter 2 (April 1 – June 30)□ 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):**Casey Wells | **Phone Number:**(512) 423-8986 | **E-Mail**Casey.Wells@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 | $293,952  | 33% |

***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** |
| $109,71412% | **$0.00** | 33% |

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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: Completed TTI Communications review of Technical Memorandum #1, which will be sent along to sponsors by early August after a final internal review. Continued writing technical memorandum #2 on the tools and best practices for using passive origin-destination data.Task 2: Completed analysis of COVID health data, socioeconomics, and mobility performance measures. Prepared presentation on analysis and presented results to sponsors at the Annual Meeting. Continued additional analyses on the six (6) study urban areas based on feedback from SUMA sponsors. Worked on documenting findings in draft technical memorandum. Task 3: Completed updates to FIXiT Enhanced Excel tool and sent tool to the sponsors. Worked on FIXiT web tool calculations and completed initial user interface. Worked on converting the FIXiT Excel tool to a web tool by adding congestion calculation equations to the tool as well as methodology for determining appropriate equations to use.Task 4: Conducted and summarized interviews with state and regional agencies to ascertain the state of the practice in equity programs and policies on DOT equity programs and performance measures. Circulated transportation equity feedback survey with two (2) sponsor agencies. Prepared meeting notes to be incorporated in the task memo. Analyzed interview results to identify broader equity trends. Prepared and presented the second (2nd) webinar covering state and agency equity activity during the SUMA annual meeting. Completed first draft of the second (2nd) Equity Memo. Integrated feedback from interviewed agencies on the results of the equity surveys. Completed the 2nd portion of the final equity report and began compiling the final deliverable/report for Aug delivery.Task 5: Sponsor communication and support via telephone calls and email correspondence. Scheduled site visits with Pennsylvania DOT (July 18) and Michigan DOT (Aug 9).Task 6: Completed preparing for and conducting the annual meeting in College Station in May 2022. Submitted annual meeting notes, meeting slides and FY23 scope to all study sponsors. Submitted scope of work for FY 23.  |
| **Anticipated work next quarter**:Final deliverables for all tasks will be completed in the next quarter (as Aug 31st is the last day of the FY). More specially, the deliverables to be completed are described below. Task 1: Complete the technical memorandum #2 on the tools and best practices for using passive origin-destination data, and a draft of the memo should be done by the end of July in time for final submittal in Aug.Task 2: Continue working on the analyses on the six (6) study urban areas based on feedback from SUMA sponsors and documenting findings in draft technical memorandum. Technical memorandum will be submitted by the end of Aug. Task 3: Continue working on adding congestion calculation equations as well as the methodology to convert the FIXiT Excel tool as a web tool. Deliver prototype web-based FIXiT and User’s Guide. Task 4: Finish compiling the final deliverable/report on transportation equity for August delivery.Task 5: Continue providing communication support via telephone, email, or virtual meetings. Conduct site visits to Pennsylvania DOT on July 18th and to Michigan DOT on August 9th and distribute meeting notes to all SUMA members. Distribute packet of all deliverables/resources from FY 22 and post materials on sharepoint site for all members. Task 6: No substantial meeting support anticipated in the next quarter. There will be some additional charges as sponsor travel to the annual meeting is processed.  |

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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)
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