**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Date: \_June 30, 2018\_\_\_\_\_\_\_\_

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

**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 Federal Project #**  SPR TPF5 (198)  \*Previously SPR-3(049) | | **Transportation Pooled Fund Program - Report Period:**  □ Quarter 1 (January 1 – March 31, 2018)  X Quarter 2 (April 1 – June 30, 2018)  □Quarter 3 (July 1 – September 30, 2018)  □Quarter 4 (October 1 – December 31, 2018) | |
| **Project Title:**  Mobility Measurement in Urban Transportation (MMUT)  FYs 2018-2019 | | | |
| **Name of Project Manager(s):**  Casey Dusza | **Phone Number:**  (512) 486-5149 | | **E-Mail**  [Casey.Dusza@txdot.gov](mailto:Casey.Dusza@txdot.gov) |
| **Lead Agency Project ID:** | **Other Project ID (i.e., contract #):**  TxDOT contract 50-0XXIA0012  0000007568 *(starting 9/1/15)* | | **Project Start Date:**  9/8/08 |
| **Original Project End Date:**  8/31/13 | **Current Project End Date:**  8/31/19 | | **Number of Extensions:** |

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** |
| $ | $ | % |

***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** |
|  | $0 |  |

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| **Project Description**:   |  | | --- | | **Background:** This study will be a continuation of existing project SPR-3(049) – now SPR TPF5 (198) – with the same scope, objectives, and contractor (TTI). | | **Objectives:** 1) Investigation of new and emerging datasets for mobility analyses; conduct evaluations of datasets for new and traditional uses. Continued analysis of the NPMRDS. 2) Investigation of arterial route reliability estimation, estimating reference speed, and bottleneck identification in the arterial environment. Documentation of current and evolving practices related to arterial performance monitoring and reliability estimation.  3) Demonstrations of the target setting practices; provide additional support for MAP‐21/NPRM performance measure estimation.  4) Conduct syntheses on key topic areas of interest to the pooled fund sponsors. 5) Assistance to sponsoring agencies in the application of products in their operations, planning and performance measurement activities within their agency. Respond to requests for mobility data.  6) Develop and demonstrate data integration framework by illustrating how data integration can inform investment decisions and project prioritization.  7) Implementation of an annual mobility performance report that describes all the steps and processes necessary to develop a yearly performance report. | |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):** Work is underway on all tasks for FY 2018.  MMUT FY 2018 scope includes topics from 2017 and new topics as listed in the “Objectives” above.  Task 1: Provided additional responses and technical assistance on the draft calculated MAP-21 measures provided in November 2017. Continued investigation of methods to evaluate GPS-based dataset usage for traffic flow volume estimation.  Task 2: Continued review of NPMRDS federal measure requirements and calculation procedures for measure sensitivity analysis for a given reference speed calculation method. Continued accessibility measure review and data source investigation.  Task 3: Continued to field questions and comments related to the target-setting deliverable. Continued collecting comments, feedback and experiences of pooled fund members on target-setting for inclusion in updated target-setting deliverable.  Task 4: Continuing work on the update to the Keys to Estimating Mobility Report.  Task 5: Sponsor communication and support via telephone calls and email correspondence. Prepared for and conducted meeting with Oregon DOT, Virginia DOT and Caltrans. Developed and delivered meeting minutes to all sponsoring agencies for site visits to Oregon DOT, Virginia DOT and Caltrans.  Task 6: The charges incurred here are for the hotel and sponsor travel to the June Annual Meeting in Irving, CA.  Task 7: Continued investigation of database layers (pavement, bridge, AADT, % trucks) to compute additional layers, including truck volumes. Continued quality assurance/quality control steps in data manipulation. Continued detailed analysis to demonstrate the data integration along a segment of the Baltimore Beltway (I-695).  Task 8: Prepared and delivered meeting minutes to all pooled fund members of the March 29 meeting between TTI and CDOT staff. Prepared report format and assisted with origin-destination data purchase specifications for data acquisition. Continuing analysis for final report inclusion. |
| **Anticipated work next quarter**: Work will continue on the tasks under the contract for FY 2018.  Task 1: Continue to investigate methods to evaluate GPS-based dataset usage for traffic flow volume estimation.  Task 2: Finish and submit technical memorandum "Sensitivity of Transportation Performance Measures to Changes in Reference Speed" to sponsor members. Continued accessibility measure review and data source investigation.  Task 3: Continued to field questions and comments related to the target-setting deliverable. Begin developing updated target-setting deliverable with comments received.  Task 4: Continue to work on the update to the Keys to Estimating Mobility Report.  Task 5: Sponsor communication and support via telephone calls and email correspondence.  Task 6: Process travel for annual meeting. Prepare and deliver annual meeting minutes.  Task 7: Continue to investigate database layers to compute additional layers, including truck volumes. Continued quality assurance/quality control steps in data manipulation. Continued detailed analysis to demonstrate the data integration along a segment of the Baltimore Beltway (I-695).  Task 8: Prepare report format and begin documentation for report. |

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| **Significant Results:**  See Progress; noted deliverables. |
| **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 expected during the next quarter. |

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| **Potential Implementation:** Work this quarter will have positive impacts (research and guidance) for all participating states with regard to evaluating datasets, arterial performance monitoring, performance measures and target setting under MAP-21 and FAST Act for system performance and freight. |