**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Date: \_April 30, 2014\_\_\_\_\_\_\_\_

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 Project #**SPR TPF-5(198) | **Transportation Pooled Fund Program - Report Period:**X□Quarter 1 (January 1 – March 31)□ Quarter 2 (April 1 – June 30)□Quarter 3 (July 1 – September 30)□Quarter 4 (October 1 – December 31) |
| **Project Title:**Urban Mobility Study, 2009 – 2013 Continuation (extended to 2015) |
| **Name of Project Manager(s):**Janie Temple | **Phone Number:**(512) 486-5107 | **E-Mail**Janie.temple@txdot.gov |
| **Lead Agency Project ID:** | **Other Project ID (i.e., contract #):**TxDOT contract 50-4XXIA0033 | **Project Start Date:**9/8/08 |
| **Original Project End Date:**8/31/13 | **Current Project End Date:**8/31/15 | **Number of Extensions:**1 |

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** |
| $1,675,000 | $1,831,318 | 50% |

***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** |
|  | $24,714 |  |

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| **Project Description**:

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| **Background:**This study will be a continuation of existing project SPR-3(049), with the same scope, objectives, and contractor as the existing project. Beginning with federal fiscal year 2009, the project will be managed under the new pooled fund procedures, with a new project number.  |
| **Objectives:**1) Form Steering Committee, which will decide on the annual scope of work to be performed. 2) Continuously refine the congestion measures to include better data , information from other modes and improvement projects/programs. 3) Maintain existing congestion measures while looking to make improvements to them because of new/better data or changing needs. 4) Look for new arenas that need congestion monitoring measures such as freight mobility and emissions. 5) Respond to Requests for Mobility Data.  |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):** The pooled fund project was continued for 2014 and a new contract was put in place in September 2013. All fiscal year 2014 tasks were activated. Task 1 - work is underway to analyze the quality and issues associated with FHWA’s HERE speed dataset (TxDOT is providing the Texas subset of the national dataset for the analysis). Initial indications are that the dataset has a lot of missing time slots throughout each day at a given location and also lacks overall completeness of coverage. Task 2 – work has begun to look at methods/models/variables that may be helpful to extract through trips from a corridor within an urban area so that this travel is not attached to local trips. Work continues on finding data for non-motorized travel to add to the measures. Task 3-the synthesis of performance measures and procedures currently in place across the country is underway for MAP-21 requirements. A draft tech memo of the measures was sent to the Sponsors in March. A spreadsheet containing the measures is currently being compiled with for each of the urban areas in the sponsoring states. Task 4 – Over 500,000 station-days of vehicle classification data has been obtained for many states from FHWA and additional states beyond that set are being enlisted to create a large dataset of truck data to create volume profiles for use in turning truck ADTs into hourly or 15-minute counts. The results should be sent to Sponsors in very early April. Task 5 – TTI made a visit to NYSDOT to discuss MAP-21 measures and the use of existing speed datasets to generate the performance measures. TTI is scheduled to visit NCDOT in May to discuss MAP-21 performance measurement.  |
| **Anticipated work next quarter**: The work on each task mentioned above will continue. An update on Task 1 was provided on March 7, 2014, and a conference call to discuss progress is being scheduled. Task 3 was transmitted to pooled fund partners March 11, 2014. The spreadsheet of the measures should be sent to Sponsors in April. The technical memorandum for Task 4 is almost complete and should be sent to Sponsors in early April.  |

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| **Significant Results:** No significant results at this point of the work scope.  |
| **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:** The results of Task 1 will help agencies make better/best use of the HERE speed dataset from FHWA. The sustainability measures generated in Task 2 should be of interest to state DOTs who are attempting to look all modes of travel as they plan for the future. The synthesis results from Task 3 should allow state DOTs to get a quick start at satisfying the MAP-21 requirements from FHWA. The truck volume profiles generated in Task 4 should be very useful to planners attempting to estimate mobility performance. .  |