**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Date: **01/28/2013**

Lead Agency (FHWA or State DOT): **FHWA**

**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 #***5(243)*** | 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:**Motorcycle Crash Causation Study** |
| Name of Project Manager(s):**Craig Thor** | Phone Number:**202-493-3338** | E-Mail**CraigThor@dot.gov** |
| Lead Agency Project ID: | Other Project ID (i.e., contract #):**DTFH61-06-H-00034** | Project Start Date:**April 15, 2011** |
| Original Project End Date:**March 31, 2015** | Current Project End Date:**March 31, 2015** | 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** |
| **$3,571,600** | **$729,821.99** | **30%** |

***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** |
| **$38,427.83 (1.1% of budget)**  | **$38,427.83**  | **30%** |

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| **Project Description**:Due to an alarming increase in motorcycle fatalities in the United States, Congress approved Federal funding for a motorcycle crash causation study as part of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU). The legislation specified that the Department of Transportation provide a grant to the Oklahoma Transportation Center to perform the research. The Motorcycle Crash Causation Study (MCCS) is meant to provide insight into the causative factors that lead to motorcycle crashes in the United States. A comprehensive database of approximately 1,600 data elements will be created from a collection of real-world motorcycle crash investigations and interviews of riders with similar risk factors. A research effort of this scale has not been conducted in the United States in 30 years. During this time, both the rider demographics and the motorcycles themselves have changed considerably and this new data source will make it possible to identify contemporary trends associated with motorcycle crashes. Study results may lead to the development of new roadway countermeasures, educational programs, and sound policy decisions that are rooted in a data-driven assessment of motorcycle safety. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**The team is operating and has continued to produce results, moving the number of cases initiated from 139 to 175 and the number of closed cases from 69 on June 20, 2012 to 78 on December 20, 2012; 42 cases are open and 1 is pending as of December 20, 2012 compared to 33 open and 7 pending on September 20, 2012. Cumulatively, the study has identified 121 cases that it anticipates closing and this compares favorably to the goal of 113 set for the study for the end of 2012.To alleviate challenges with quality control review process, a compilation of inconsistencies identified by QC reviews was initiated and the results were used to improve coding consistency and understanding of staff and QC team.The annual Project Working Group meeting was held on December 17, 2012. Dr. Nazemetz was introduced to the group as the new project PI. Additionally, the study partners all presented on the progress over the last year including the number of cases in the study, changes to the data collection procedures, and changes in the administration of the project. General plans have been developed and were reported to the Project Working Group in their meeting on December 17, regarding the initial data analysis plan which will be implemented once 100 cases have been closed. Data will be provided to researchers accompanied by a Data Dictionary defining the data, identifying any imputed data from observed data. OSU has developed a set of variable names to apply to SAS datasets to facilitate data understanding and use by researchers. One student was hired and trained over the quarter to assist with the analysis. Another will be hired and trained this quarter to provide continuity when initial hire graduates in May or July. |
| **Anticipated work next quarter**:* Continued motorcycle crash investigations and gathering of crash causation factor data.
* Pursuit of actions to assure and enlarge the support of law enforcement agencies in the study. Contact with agencies to inform them of the progress of the study.
* Monitoring of case initiation rates, completion duration, and rates of dropped cases.
* Initiation of the statistical analysis to be performed on the first 100 completed crash investigations (OSU and Westat) when the data becomes available. This analysis (anticipated to be initiated toward the end of the first quarter of 2013) will serve to prove out the analysis process and enable preliminary data review by the team and FHWA.
* Identification and initial training of another OSU students to support the study; his/her anticipated primary activity will be in support of data analysis.
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| **Significant Results:****Data Collection** As of September 20, 175 cases have been initiated. Of these, 54 cases were dropped. 78 cases have been closed with all field work completed, and two controls obtained. In addition, there are currently 43 cases in which data are still being collected. |
| **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).**There are no circumstances currently that should affect the project timeline or budget. |

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| **Potential Implementation:** No potential implementation this quarter |