**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Date: **04/30/2013**

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:  ***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:  **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** | **$1,011,768.84** | **40%** |

***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** |
| **$199,016.65 (6% of budget)** | **$199,016.65** | **40%** |

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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 175 to 203 and the number of closed cases from 78 on December 20, 2012 to 112 on March 20, 2013; 26 cases are open and 4 are pending as of March 20, 2013 compared to 42 open and 1 pending on December 20, 2012. Cumulatively, the study has identified 143 cases that it anticipates closing and this compares favorably to the goal of 134 set for the study for the end of March, 2013.  The 34 cases closed during the quarter were above the target rate of 21/quarter needed to keep the study on track. The time to close out cases is no longer a significant concern as the 112 closed cases and 30 open/pending cases indicate that average case close out times are averaging approximately 3 months. Although, some cases are above the 3-month maximum that was used to develop the study schedule and case completion estimates/targets, which anticipate the cessation of case initiation by the end of October 2014, closing of all cases in January of 2015 and study final report delivery in March 2015.  Currently, 12 of the 30 (36%) active cases have been open 3 months or longer; this is a reduction from 60% reported at the end of last quarter. Three of the five (5) that have been open longer than 6 months were fatalities, with three others (27%, one fatality) have been open 5-6 months, three (27%, one fatal) open 4-5 months, and one (9%, a fatality) open 3-4 months. While the factors delaying the closing of cases, such as waits for coroner and hospital reports, rider recovery from injury, are beyond study control, this represents a significant drop in open cases.  Closing of the first 100 cases was achieved by the end of the quarter and the commencement of testing of analysis procedures and software and development of preliminary analyses is anticipated to begin within the next two weeks.  The cumulative ratio of cases dropped to cases initiated (61 dropped of 203 initiated ) has remained steady at ~ 30% of cases to date compared to the 31% reported at the end of the 4th quarter.  The changes to the study management and reporting approved and implemented in July have continued to be positive with all reports and interactions meeting or exceeding scheduled delivery dates and quality expectations. |
| **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). * 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 March 30, 2013, 203 cases have been initiated. Of these, 61 cases were dropped. 112 cases have been closed with all field work completed, and two controls obtained. In addition, there are currently 30 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).**  No significant issues were identified or remain open at this time.  The rate of case initiation, number of dropped cases, and time to close cases are to be monitored as, while they are at or above cumulative requirements, recent data suggests that close monitoring should be undertaken to assure that any/all required actions to improve these parameters to assure timely study completion are identified and implemented. |

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