**TRANSPORTATION POLLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): Virginia Department of Transportation

**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.*

|  |  |
| --- | --- |
| **Transportation Pooled Fund Program Project #**TPF-5(229) | **Transportation Pooled Fund Program-Report Period:** Quarterly 1 (January 1—March 31)Quarterly 2 (April 1—June 30)Quarterly 3 (July 1—September 30) √ Quarterly 4 (October 4—December 31) |
| **Project Title:**Characterization of Drainage Layer Properties for MEPDG |
| **Name of Project Manager(s):**Brain K. Diefenderfer | **Phone Number:**(434)293-1944 | **E-Mail:**Brain.Diefenderfer@VDOT.Virginia.gov |
| **Lead Agency Project ID:** | **Other Project ID (i.e., contract #):**VTRC-MOA-11-005(98289) | **Project Start Date:**September 1, 2010 |
| **Original Project End Date:**August 31,2013 | **Current Project End Date:**August 31,2014 | **Number of Extensions:**1 |

Project schedule status:

On schedule On revised schedule Ahead of schedule √Behind schedule

Overall Project Statistics:

|  |  |  |
| --- | --- | --- |
| **Total Project Budget** | **Total Cost to Date for Project** | **Percentage of Work Completed to Date** |
| $360,000 | $360,000 | 97% |

Quarterly Project Statistics:

|  |  |  |
| --- | --- | --- |
| **Total Project Expenses and Percentage This Quarter** | **Total Amount of Funds Expended This Quarter** | **Total Percentage of Time Used to Date** |
| $0/0 | $0 | 100% |

|  |
| --- |
| **Project Description:**The objectives of this pooled fund study are to develop methods for characterizing the elastic modulus and strength of pavement drainage layers for the Mechanistic-Empirical Pavement Design Guide (MEPDG), to perform analysis of the stability and failure of the drainage layer in the pavement structure, and to develop specifications for required minimum porosity for effective drainage. |

|  |
| --- |
| **Progress this Quarter (Includes meetings, work plan status, contract status, significant progress, etc.):**A draft version of the final report was distributed to the technical committee in June 2015. Comments were received and sent to the principal investigator. There were significant delays in completing the comments and preparing the report. It is expected the comments will be addressed and the final report will be completed next quarter. At that time, the technical committee will assemble for a conference call to discuss the project completion.  |
| **Anticipated work next quarter:**The final report will be prepared and submitted. |

|  |
| --- |
| **Significant Results:** |
| **Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect completion of the project within the time, scope and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).**Significant delays were encountered with completing the draft version of the final report. It is expected that the final report will be completed next quarter. |

|  |
| --- |
| **Potential Implementation:** |