

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Virginia DOT (VDOT) .

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.

<p>Transportation Pooled Fund Program Project # (i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</p> <p>TPF-5(268)</p>	<p>Transportation Pooled Fund Program - Report Period:</p> <p><input type="checkbox"/> Quarter 1 (January 1 – March 31)</p> <p><input type="checkbox"/> Quarter 2 (April 1 – June 30)</p> <p><input checked="" type="checkbox"/> Quarter 3 (July 1 – September 30)</p> <p><input type="checkbox"/> Quarter 4 (October 1 – December 31)</p>	
<p>Project Title:</p> <p style="text-align: center;">Pavement Surface Properties Consortium: A Research Program</p>		
<p>Name of Project Manager(s): Kevin Kenneth McGhee</p>	<p>Phone Number: (434) 293-1956</p>	<p>E-Mail Kevin.McGhee@VDOT.Virginia.gov</p>
<p>Lead Agency Project ID: VCTIR 103567</p>	<p>Other Project ID (i.e., contract #): 448679</p>	<p>Project Start Date: 7/1/2012</p>
<p>Original Project End Date: 7/1/2012</p>	<p>Current Project End Date: 6/30/2018</p>	<p>Number of Extensions: 0</p>

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
\$124,992*	\$ 10,791	9%

- Received; total committed = \$450,000

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$ 10,791 (9%)	\$ 10,791	9%

Project Description:

Through a regional pooled fund, this program of research focuses on enhancing pavement sustainability. The initial project scope covers:

- ✓ Examine emerging sustainable materials, technologies, products and pavement systems; how to facilitate their adoption; and what testing approaches and methods are needed to implement these technological improvements
- ✓ Identify an appropriate set of metrics that comprises all aspects of pavement sustainability and the adaption or development of tools designed to assess pavement sustainability on qualitative and quantitative scales.
- ✓ Examine how sustainability considerations will affect all aspects of pavement engineering and management such as planning, design, construction, maintenance, management, and reclamation and develop guidelines for integration of these tools into pavement/ asset management business processes.
- ✓ Investigate the effect of climatic change on regional pavement engineering in terms of design, construction, maintenance, and management.

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

- Conducted the consortium kick-off meeting on July 18th 2012. During the meeting consortium members ranked potential projects. The following four projects were selected as having the highest priority:
 - How to measure the benefits of emerging materials and processes?
 - Incorporating use-phase into LCA for pavements
 - Use of LCA in pavement-type selection
 - Integration of sustainability into network-level PMS
- Developed research need statements for the two highest-ranked projects
 - Developed and submitted research need statements to the consortium members for review and comments.
 - Conducted a GoToMeeting with consortium members to discuss the research needs statements, finalized the scope of the project and initiate the research.

Anticipated work next quarter:

- Start the literature review for the two initiated projects.
- Support the organization and attend the Virginia Pavement Recycling Conference.
- Develop a research need statement for the *Use of LCA in Pavement-Type Selection*.
- Organize a short meeting of consortium members during the 92nd Annual Meeting of the Transportation Research Board.

Significant Results:

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might 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 problems were encountered in this quarter.

Potential Implementation: