

## TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: July 13, 2012

Lead Agency (FHWA or State DOT): Louisiana Department of Transportation and Development

**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.*

<b>Transportation Pooled Fund Program Project #</b>  TPF-5(212)	<b>Transportation Pooled Fund Program - Report Period:</b> <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input checked="" type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
<b>Project Title:</b> Southeast Transportation Consortium		
<b>Name of Project Manager(s):</b> Mark Morvant	<b>Phone Number:</b> 225-767-9124	<b>E-Mail</b> mark.morvant@la.gov
<b>Lead Agency Project ID:</b> LTRC No. 09-1PF	<b>Other Project ID (i.e., contract #):</b> SIO No. 30000281	<b>Project Start Date:</b> 9/1/2009
<b>Original Project End Date:</b> 8/31/2012	<b>Current Project End Date:</b> 8/31/2015	<b>Number of Extensions:</b> 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
\$300,000	\$ 32,222.20	percentage varies by project

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$22,222.20 (7.4%)	\$10,000.	43

**Project Description:**

STC's objectives are to pool financial, professional, and academic resources to coordinate research and develop improved methods of addressing common problems in the planning, design, construction, maintenance, management, and operation of transportation systems in participating states. The program is intended to supplement ongoing state, federal, and university research activities and other national programs such as the National Cooperative Highway Research Program. It is intended to reduce duplication of research and provide means for better communication of ongoing research activities in the state research programs. The cooperative and collaborative objectives of the STC program are to develop synergy and provide for a more efficient use of resources. Specific objectives include

- Plan and conduct meetings to establish research priorities, share research findings, exchange information, and define direction of the organization. Each member may utilize funds for one representative from each organization to participate
- Discuss and screen potential research projects and seek partners from the public, academic, and private sectors to collaborate on these projects and utilize available resources to ensure research is not duplicative
- Conduct research studies
- Communicate and disseminate research results and innovations through the use of communication products such as development and maintenance of a Web site, periodic electronic newsletter, and fact sheets
- Put research results into practice through technology transfer events

Communicate impacts of the organization's activities to national leaders in transportation

**Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):****Program Management/Administrative Activities**

- Continued update and maintenance of STC project database

**STC Synthesis Projects:**

STC Syntheses Projects are technical summaries of research performed and state-of-the-practice reports prepared under contract by outside individuals or firms. These reports are oriented toward practical solutions of specific transportation problems. The specific objectives of a Synthesis of State-of-Practice are:

- To locate and assemble information;
- To learn what practice has been used;
- To identify ongoing and recently completed research;
- To learn what problems remain largely unsolved; and
- To organize, evaluate, and document the useful information acquired Best Practices for

SYNTHESIS OF BEST PRACTICES FOR DETERMINING VALUE OF RESEARCH RESULTS  
(LTRC PROJECT NO. 12-3PF, SIO NO. 30000541)

Objective: The overall objective of this project is to synthesize the best practices for determining the value of research results, in order to demonstrate the impact that the research has on transportation system safety, quality and cost effectiveness.

Principal Investigator: Baabak Ashuri, Ph.D., Georgia Tech University

Project Status: Notice to proceed given effective: June 1, 2012

## SYNTHESIS OF ASPHALT SURFACE TREATMENTS FOR PAVEMENT PRESERVATION

(LTRC PROJECT NO. 12-2PF, SIO NO. 30000540)

Objective: The work conducted under this proposal will search the state-of-practice in the United States, with respect to Pavement Surface Treatments. The Synthesis will summarize the results of surface treatments research completed to date, state best practices and implementation status.

Principal Investigator: Hesham Ali, Ph.D., P.E., Florida International University,

Project Status: Notice to proceed given effective: July 1, 2012

## STC SYNTHESIS OF RESEARCH RESULTS FOR WATER QUALITY MANAGEMENT AT CONSTRUCTION SITES

(LTRC PROJECT NO. 12-5PF, SIO NO. 30000543)

Objective: The objective of this research is to provide a technical summary of the status of implementation programs, projects, and research efforts involving water quality management at construction sites performed by member states.

Principal Investigator: Richard Sheffield, P.E., Thompson Engineering, Ridgeland MS

Project Status:

- Project started May 1, 2012
- Kickoff meeting held
- Survey of states sent out

## STC SYNTHESIS OF RESEARCH RESULTS: REGIONAL IMPLEMENTATION OF WARM MIX ASPHALT

(LTRC PROJECT NO. 12-4PF, SIO NO. 30000542)

Objective: This synthesis will summarize the results of warm mix research completed to date, state pilot projects and implementation status. Deliverables should include recommended implementation tools and/or additional research if needed to enhance implementation of this technology in the region.

Principal Investigator: To be determined

Project Status: Research contract has been offered to top rated proposal. Contract language has not been agreed to by both agencies.

### **Collaborative Efforts**

- Timber Bridge Inspection Demonstration Project sponsored by the US Dept of Agriculture. Louisiana is the southeast regional research partner working through the STC to demonstrate the technology.
  - Louisiana, Georgia, Alabama, North Carolina are participating in the program
  - Planning/Demonstrations to State Bridge Maintenance personnel in North Carolina, Georgia and Louisiana have been completed
  - Bridge Testing Scheduled
- Accepting commitments for new pooled fund solicitation #1318: *Develop A Design and Analysis Procedures for*

*Asphalt Mixtures Containing High-RAP Contents and/or RAS.* Current commitments:

- Louisiana
- Florida

**Anticipated work next quarter:**

- Continued update of state projects into database
- Present status of activities Annual RAC meeting
- Manage contracts for the three active synthesis projects (12-2PF, 12-3PF 12-5PF)
- Initiate contract for Project 12-4PF
- Planning STC annual meeting in Baton Rouge

**Significant Results:**

- Developed database for member state research projects
- Developed website for STC pooled fund program
- Established the STC synthesis project program
  - Initiated first series of synthesis projects identified above
- Held annual meetings to promote collaboration among member states
- Identified additional pooled fund initiatives

**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).**

This pooled fund project is a continued effort to collaborate resources for the southeast region member states. The tasks are ever-evolving as member state set priorities on issues and collaboration opportunities. Administrative activities are accomplished by volunteers from member states as their work schedules allow.

**Potential Implementation:**

In order to reduce redundancy of state research projects and promote transfer of knowledge on completed research, there exists a need to classify and quantify the focus, status and implementation of all member state research projects and programs. The STC Syntheses program was established to prepare technical summaries of research performed and state-of-the-practice reports prepared under contract by outside individuals or firms. These reports will be oriented toward practical solutions of specific transportation problems. The specific objectives of the synthesis are:

1. To focus on research projects conducted in the southeast region on a specific synthesis topic and issues;
2. To perform a literature search on the synthesis topic to identify other on-going or completed research;
3. To review the commonality of project scopes and methodology of studies performed in the STC region;
4. To review the commonality of project results, conclusions and recommendations;
5. To identify differences in results, conclusions and/or recommendations that would affect regional implementation and practice;
6. To review implementation status of individual state project results and recommendations;
7. To recommend applicability of applying research results to other states within the southeast region;
8. To recommend additional research (if needed) to enhance implementation within the region.
9. To organize, evaluate, and document the useful information acquired.

Completion of these synthesis reports will enhance implementation efforts for all states.

