

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Date: April 25, 2013

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.

Transportation Pooled Fund Program Project # TPF-5(212)	Transportation Pooled Fund Program - Report Period: <input checked="" type="checkbox"/> Quarter 1 (January 1 – March 31) <input 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)	
Project Title: Southeast Transportation Consortium		
Name of Project Manager(s): Mark Morvant	Phone Number: 225-767-9124	E-Mail mark.morvant@la.gov
Lead Agency Project ID: LTRC No. 09-1PF	Other Project ID (i.e., contract #): SIO No. 30000281	Project Start Date: 9/1/2009
Original Project End Date: 8/31/2012	Current Project End Date: 8/31/2015	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
\$300,000	\$ 75,250	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
\$75,250 (25%)	\$ 27,430	58

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**

The annual meeting of the Southeastern Transportation Consortium (STC) meeting was held in Baton Rouge, LA on March 4-7, 2013. The meeting was hosted by Louisiana (lead state) at the Louisiana Transportation Research Center. The member states were represented as follows:

<u>NAMES</u>	<u>STATE</u>
Mark Morvant (chair)	LOUISIANA
Michelle Owens	ALABAMA
Elisha Wight-Kehner	ARKANSAS
David Jared	GEORGIA
Joe Crabtree	KENTUCKY
Cindy Smith	MISSISSIPPI
Moy Biswas	NORTH CAROLINA
Jimmy Smith	VIRGINIA
Not represented	TENNESSEE
Not represented	WEST VIRGINIA

Meeting attendees also included the following as schedules allowed or as input was needed for specific session topics.

Skip Paul	LTRC
Doc Zhang	LTRC
Bill King	LTRC
VJ Gopu	LTRC
Kirk Zeringue	LTRC

Michael Boudreaux	LTRC
Allison Landry	LTRC
Bridget LeBlanc	LTRC
Joubert Harris	LDOTD
Mary Stringfellow	FHWA

Invited guests attending the meeting were:

Baabak Ashuri	Georgia Institute of Technology
Hesham Ali	Florida International University
Richard Sheffield	Thompson Engineering
Thad Hooper	Thompson Engineering
Trae Welch	Thompson Engineering
Alex Aguilar	Thompson Engineering

Joining the meeting by teleconference (go-to-meeting format) were:

Clark Graves	Kentucky Transportation Research Center
Darryl Dockstader	Florida Department of Transportation

Others viewing selected synthesis presentations

Illinois DOT
Ohio DOT
Georgia Institute of Technology

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
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- ***BEST PRACTICES FOR DETERMINING VALUE OF RESEARCH RESULTS***
Babaak Ashuri
 - Presentation given (attached).
 - Project still needs input from several states re: projects for which value was determined.
 - Determination as to need for project extension will be made by the end of March.
 - Draft report proposed to be provided to Value of Research Task Force at RAC annual meeting.
 - ***ASPHALT SURFACE TREATMENTS FOR PAVEMENT PRESERVATION***
Hesham Ali
 - Presentation given (attached).
 - Project survey was late being released.
 - Minimal response to survey received to date.
 - Request to extend project was approved.

- Anticipated completion of project to be September 2013.

- ***WATER QUALITY MANAGEMENT AT CONSTRUCTION SITES***

Richard Sheffield, Thad Hopper, Trae Welch & Alex Aguilar

- Presentation given (attached).
- Draft report submitted for TAC review.
- Comments from TAC to be addressed.
- Additional member state (NC DOT) research conducted on topic to be added to final report.
- Project expected to be completed on time.

- ***REGIONAL IMPLEMENTATION OF WARM MIX ASPHALT***

Clark Graves

- Presentation given via teleconference (attached).
- Project initiation was delayed significantly due to contact issues.
- Survey developed and reviewed by TAC.
- Survey comments to be addressed and distributed.
- Project expected to be completed on time.
- Presentation of research results to be presented at RAC annual meeting during regional breakout.

- Requests for proposals were developed for approved synthesis topics:

- Transportation Funding Alternatives Now and in the Future
- Reflective Cracking Mitigation Strategies for Cracked Pavements
- Best Practices for Achieving and Measuring Pavement Smoothness
- Real-Time Driver Information for Congestion Management

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.
 - LTRC updated members on current activities with pilot states: Louisiana, Alabama, North Carolina, & Georgia.
 - Project demonstration and data collection should be complete by the end of the summer 2013.

Anticipated work next quarter:

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

STC SYNTHESIS OF RESEARCH RESULTS: REGIONAL IMPLEMENTATION OF WARM MIX ASPHALT
(LTRC PROJECT NO. 12-4PF, SIO NO. 30000542)

T1	Perform literature search	
T2	Develop Survey	

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

T5	Draft the synthesis report: Best Practices for Determining Value of Research Results.
T6	Revise and Finalize the Best Practices Synthesis Report.

SYNTHESIS OF ASPHALT SURFACE TREATMENTS FOR PAVEMENT PRESERVATION
(LTRC PROJECT NO. 12-2PF, SIO NO. 30000540)

T3	Analyze responses and develop a report	30 days will be allowed for participants to complete the survey. Once survey is received, the the team will analyze the response and develop the final report.
	Extend time of project	Project will be extended by 3 months to allow time for survey

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

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

	Develop and submit final report
	Address any comments to final report

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
- First series of synthesis project nearing completion. Results will be distributed.

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.