

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Alabama DOT

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 # <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> <p style="text-align: center;">TPF-5(228)</p> | Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31) 2020 Quarter 2 (April 1 – June 30) 2020 Quarter 3 (July 1 – September 30) 2020 ✓ Quarter 4 (October 1 – December 31) 2020 | |
| Project Title: <p style="text-align: center;">Superpave Regional Center, Southeastern Region</p> | | |
| Name of Project Manager(s): Nam Tran and Randy West | Phone Number: (334) 844-7322 | E-Mail nht0002@auburn.edu |
| Lead Agency Project ID: ALDOT Research Project No. 930-763P | Other Project ID (i.e., contract #): 224574 | Project Start Date: April 28, 2010 |
| Original Project End Date: September 30, 2012 | Current Project End Date: February 28, 2022 | Number of Extensions: 5 |

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 |
|----------------------|--------------------------------|--------------------------------------|
| \$3,392,359 | \$2,318,178 | 68 |

Quarterly Project Statistics:

| Total Project Expenses and Percentage as of This Quarter | Total Amount of Funds Expended This Quarter | Total Percentage of Time Used to Date |
|--|---|---------------------------------------|
| \$2,318,178 (68% of budget) | \$62,195 | 90 |

Project Description:

The Southeastern Superpave Center has been supported by state agencies through a pooled-fund project that has been largely used to provide training, verify ruggedness of equipment, check equipment calibrations, provide materials research, and aid in keeping agency personnel abreast of changes in asphalt technology. In order to continue the efforts in training, technology transfer, and implementable research, it is essential that the pooled-fund effort be continued.

NOTE: *This pooled-fund project is not limited to states located in the southeast. Agencies throughout the country, and its territories, are invited to participate and take advantage of the research and training opportunities provided by the Southeastern Superpave Center.*

OBJECTIVES

Several short-term and long-term objectives of the Southeastern Superpave Center are listed below. Several objectives deal with evaluating recently-developed performance test equipment and conducting research to address materials and tests issues. Objectives of the Center are:

1. Conduct training in regard to Superpave binders, mix design, and performance testing. Provide training on special topics as requested by participating agencies at their on-site locations.
2. Perform research, both cooperatively and agency-specific, sponsored by members of the pooled-fund.
3. Perform precision and bias testing for asphalt-related performance test equipment.
4. Conduct noise studies in an effort to develop quieter pavements.
5. Perform forensic evaluations on materials or projects that have experienced premature distress.
6. Prepare research articles of regional and national interest.

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

Due to travel restrictions related to COVID-19, the training course planned for in-person delivery for North Dakota was delivered online this quarter.

TRAVEL

No state DOTs used funds for travel this quarter due to travel restrictions related to COVID-19.

TESTING

No state DOTs used funds for laboratory testing this quarter.

RESEARCH

Work was continued on the following studies:

- The study co-sponsored by ALDOT, FDOT, KYTC, MDOT, NCDOT, SCDOT and TDOT to evaluate different devices for conducting the IDEAL-CT test.
- The study co-sponsored by ALDOT, KYTC, MDOT, NCDOT, SCDOT and TDOT to evaluate different methods for measuring pavement friction.
- The research project sponsored by CDOT to collect structural responses from an instrumented pavement in Colorado to validate the Pavement ME Design.
- The laboratory study sponsored by GDOT to implement a cracking test for Balanced Mix Design.
- The study sponsored by MDOT to evaluate the pavement condition ratings (PCR) procedure used in Mississippi.

Management Committee Meeting

A no-cost time extension request was submitted to ALDOT to extend the end date of the pooled fund study to February 28, 2022 so that the participating states can finish the planned research and training activities that were postponed due to the COVID pandemic in 2020.

Anticipated work next quarter

Work will continue on the five research projects listed above. Training might be done next quarter for state DOTs that are interested in implementing BMD.

Significant Results: Laboratory and field testing for the five research projects listed above have been completed. Final reports are being prepared for these studies.

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).

The COVID pandemic continues to impact the state DOTs plans for training and travels to attend in-person workshops and meetings.

Potential Implementation: