

Period Covered: July 1, 2008 Through September 30, 2008 (Quarterly Report)

ALDOT Progress Report for the State Planning and Research Program

PROJECT TITLE: Southeastern Superpave Center		
PROJECT MANAGER(S): Don Watson and Randy West Ph #: (334) 844-6857	SPR Project No: TPF-5(037) ALDOT Research Project No. 930-370P	Project is: <input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> RESEARCH & DEVELOPMENT
Annual Budget	Multi Year Project Total Budget for Project: \$2,620,117.00 Total Cost to Date for Project: \$1,994,103.91	

Several projects are being conducted by the Southeastern Superpave Center. A summary of the projects is listed below.

1. ***Training*** - Don Watson

A total of 7 technician certification classes have been taught for ALDOT this quarter. ALDOT has requested some revisions to the courses and want to add a course on Earthwork and Base for technicians. NCAT has submitted a revised budget and will soon begin developing the Earthwork/Base course.

2. ***Characteristics of Tire/Pavement Interaction On Noise in HMA Pavements*** – Alessandra Bianchini

A noise study was conducted for Georgia DOT on OGFC projects at several sites around the state. A comparison was made of the reduction in noise level for OGFC with crumb rubber and without. It was found that the two-layer OGFC that GDOT placed at the NCAT Test Track has the lowest level of noise generated and may be an economic option for mitigating noise reduction. A final report has been written and submitted to Georgia DOT and a TRB paper has been submitted on the project as well.

3. ***4.75 mm Study*** – Randy West

Eight states have agreed to participate in a study to further develop a 4.75 mm Mix. The study will refine and field validate the mix design procedure and specification criteria. The work will include two phases: a laboratory phase to refine the design criteria, and a field validation through construction of experimental test sections.

This quarter an additional project was submitted by Tennessee to be included in the overall evaluation. A draft report is being prepared.

4. ***M-E pavement Design Input Values*** – Don Watson

During this quarter all laboratory work was completed. The laboratory values obtained from this study will be used to compare with the default values in the new M-E Design Guide. In addition, pavement structure requirements will be compared using current agency software, the new M-E Design Guide and Perpetual Pavement software to see how much difference the various programs will make in required structure. A draft final report is being prepared and a TRB report on the work will be prepared as well for GDOT review and comments before submitting.

5. ***Warm Mix*** – Andrea Kvasnak

Several projects throughout the U.S. are being constructed for agencies and contractors who want to get more familiar with the various warm mix technologies being used. Test projects have been visited in Alabama, Georgia, and Colorado and other states have expressed an interest in test sections as well.

6. ***Newsletter*** – Don Watson

Work is underway to prepare a newsletter for the Superpave Center that will discuss research activities, research findings, recommendations from the Expert Task Group, and training opportunities provided by NCAT.

Work to be Performed next Report Period

The Southeast Superpave Center will continue to work on the above listed projects until they are complete.

- ◆ Training sessions and training needs are being evaluated and plans are being developed for the coming year. A schedule for ALDOT training courses for FY'09 will soon be available. NCAT will continue working on a program of national technician qualification. An asphalt binder course is planned for the fall.
- ◆ Work will continue on the 4.75 mm Mix study.
- ◆ Noise studies will continue to be performed on the quiet pavement test sections of the NCAT Test Track and for other states that express an interest.
- ◆ A final report and a TRB report for the M-E design studies for Georgia will be completed and submitted.
- ◆ Additional documentation will be provided for warm mix projects as they are constructed.

STATUS AND COMPLETION DATE

Percentage of work completed to date for total project 78.85 %

Project is:
X on schedule behind schedule, explain:

Expected Completion Date: June 30, 2009

Please note that this project has continued with renewed requests for services and additional funding obligations and may be extended beyond the current Expected Completion Date listed above.