ALDOT Progress Report for the

State Planning and Research Program

PROJECT TITLE: Southeast Superpave Center			
PROJECT MANAGER(S):	SPR Project No: TPF-5(037)	Project is:	
(334) 844-6857	ALDOT Research Project No. 930-370P	X RESEARCH & DEVELOPMENT	
Annual Budget	Multi Year Project Total Budget for Project 2,790,826.00 Total Cost to Date for Project 1,793,410.91		

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

(1) *Training* - Don Watson

During this period several training workshops were conducted for ALDOT and include Asphalt Plant Level I, Roadway Technology, Aggregate Technology and Nuclear Safety. NCAT staff has taught fourteen courses during January-March, 2006. In addition, two week-long courses of Asphalt Technology and one course of Superpave Mix Design were taught at the NCAT facility.

(2) Characteristics of Tire/Pavement Interaction On Noise in HMA Pavements – Andre Smit

NCAT has tested over 320 pavement surfaces from Michigan, Alabama, New Jersey, Maryland, Colorado, Nevada, California, Arizona, Florida and Texas. Noise testing on special mix sections at the NCAT test track is being sponsored by the FHWA. Various thickness and gradations for OGFC were placed on the inside lane of the north tangent. One of the sections used a European concept of a two-layer OGFC. This two-layer system uses a coarse OGFC for water drainage, but is surfaced with a fine-graded OGFC to provide noise reduction and serve as a filter for the coarse mix to keep the air void structure from becoming clogged over time. Test results show this system performs very well for noise reduction.

Plans are to place additional test sections of other fine-graded mixtures on the inside lane of the southbound tangent section of the NCAT test track when the outside lanes are reconstructed this summer.



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 for ALDOT personnel will continue. Special training is planned during June for delegations from China and from Pakistan.
- Work will continue on the 4.75 mm Mix study.
- The quiet pavement test sections for the south tangent of the NCAT Test Track should be constructed by East Alabama Paving.
- A forensic analysis of pavement failure on I-65 in Cullman County, Alabama will be completed.
- A forensic analysis of pavement failure on I-10 in Florida will be completed.

STATUS AND COMPLETION DATE			
Percentage of work completed to date for total project 92.45			
Project is: <u>X</u> on schedule behind schedule, explain:			
Expected Completion Date: <u>September 30, 2006</u>			