



March 25, 2024

Alabama Department of Transportation  
1409 Coliseum Boulevard  
Montgomery, Alabama 36130

RE: Climate Pollution Reduction Grants (CPRG) – Letter of Support

Dear ALDOT,

I am writing on behalf of the National Center for Asphalt Technology (NCAT) at Auburn University to express our full support for the ALDOT application to the CPRG program.

NCAT's mission is to provide innovative, relevant, and implementable research, technology development, and education that advances safe, durable, and sustainable asphalt pavements.

NCAT has worked closely with ALDOT and other state departments of transportation (DOTs) to conduct research on sustainability and low-carbon material technologies. Our collaborative efforts have focused on Warm Mix Asphalt (WMA) and Cold Central Plant Recycling (CCPR) to reduce emissions during the production of asphalt mixtures.

WMA and CCPR offer several advantages over conventional hot mix asphalt (HMA). WMA is produced at lower temperatures, which helps in reducing emissions at asphalt plants. On the other hand, CCPR eliminates the need for a burner, making it a more sustainable option with minimal to no emissions. Additionally, both WMA and CCPR contribute to enhanced worker safety due to lower mix placement temperatures.

NCAT will provide technical assistance to ALDOT to develop specifications for new technologies, collect data on production and emission reduction, and provide training to support the implementation of these new specifications.

We believe that ALDOT will have a transformative impact beyond Alabama by adopting these innovative technologies to reduce greenhouse gas emissions in the challenging-to-abate asphalt industry.

Sincerely,

A handwritten signature in black ink, reading "Randy C. West".

Randy West, Ph.D., P.E.  
Director and Research Professor