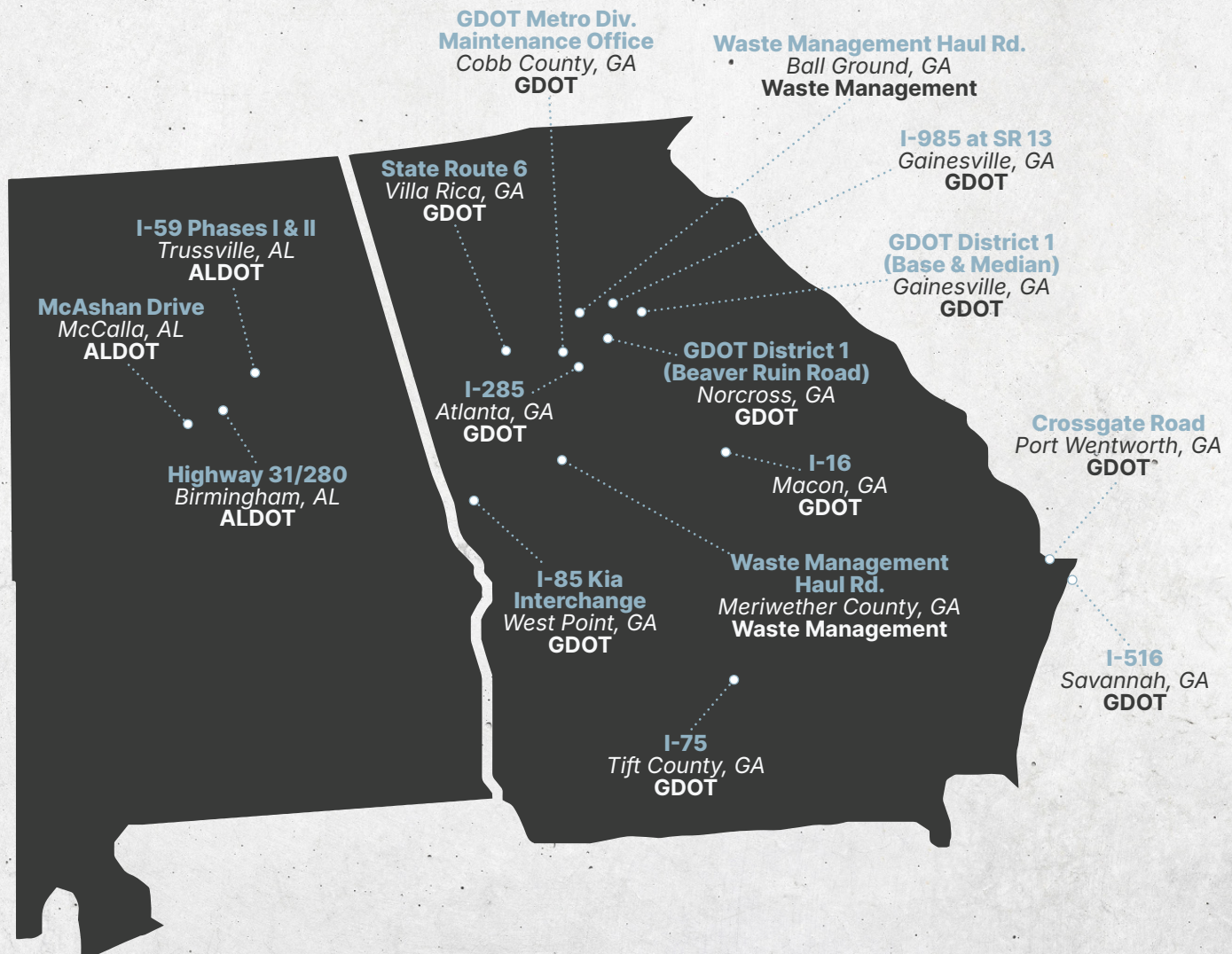


SOUTHEAST RCC PROJECTS

ALABAMA AND GEORGIA

Roller Compacted Concrete (RCC) Pavement is a plain rigid concrete pavement placed with high density paving equipment and then compacted with vibratory rollers. RCC can be placed quickly, expediting the construction schedule, and has the strength to withstand heavy and specialized loads. Its low cost and durability make it a preferable solution for engineers, owners and construction managers.

Below are some of the publicly funded paving projects completed by RCC PC members. Applications include arterial streets, local streets, highways, ramps, shoulders, medians, access roads and parking areas.



RCC

PAVEMENT COUNCIL

rccpavementcouncil.org

PROJECT SPOTLIGHTS



I-285 GDOT

Atlanta, GA

This project, the first use of RCC on an interstate roadway application in the U.S., consisted of over 35 lane miles of shoulder replacement with 6" and 8" RCC. With an ADT close to 200,000 per day, strict lane closure requirements necessitated that the project be completed only on weekends. RCC operations ran continuously from early Saturday morning through late Sunday night (roughly 1.5-2 miles per weekend), providing the prime contractor enough time to get the roadway open by early Monday morning.



Crossgate Road

Port Wentworth, GA

In 2016, GDOT had the opportunity to rebuild a local street in need of structural capacity improvements, which proved to be a good candidate for RCC pavement. The RCC was placed in a single pass beginning in the middle of the project limits, ensuring uninterrupted access. In addition, the rapid strength gain of the RCC allowed local traffic to use the pavement within 48 hours. The roadway was GDOT's inaugural project to utilize RCC as a final riding surface on a state travel lane.



Highway 31/280 Red Mountain Expressway

Birmingham, AL

ALDOT was tasked with improving both the structural capacity and ride safety of Highway 31/280 while minimizing traffic disruption to the public. The project consisted of removing the raised islands, retrofitting numerous bridge rails, placing median barrier walls, and placing RCC. This was ALDOT's first use of RCC for a median lane and an acceleration lane. This was also the first DOT project in the U.S. to use RCC as a footing for the median barrier.



McAshan Road

Bessemer, AL

The existing HMA roadway was experiencing significant distress from repeated heavy truck loads. Both the Jefferson County Industrial Park and Norfolk Southern McCalla Intermodal Facility utilize this route for access to Interstate 20/59. ALDOT was looking for a high structural value pavement which could withstand heavy loads. Placing a single lift 10" RCC in one lift was the solution, making this the inaugural RCC project for ALDOT on a travel lane.

ABOUT THE RCC PAVEMENT COUNCIL



The Council is comprised of RCC contractors, equipment suppliers, materials suppliers, consultants, engineers and architects. Research and promotion are the primary objectives of the Members who strive to improve the quality of RCC pavements and expand their use in a responsible and sustainable manner.

The Council is an excellent resource to find qualified RCC Contractors, equipment, materials, and construction best practices expertise as well as resources and support to the design community. The Council collaborates closely with industry promotion and research partners including the American Concrete Pavement Association ([ACPA](#)), the Portland Cement Association ([PCA](#)), and the National Ready Mixed Concrete Association ([NRMCA](#)).

Learn more at rccpavementcouncil.org.