

South Carolina State Report

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Research Projects

- Rapid Set Patching Material
 - Primarily aimed at bridge deck repairs
- Evaluation of Early Opening of Patching
 - Maturity meters
 - Match curing
- Life Cycle Cost Analysis
 - Looking to update our existing procedures

Current PCC Paving Project

Concrete Parking Lot at Rest Areas

- I-20 Kershaw County
- Newly Constructed Pavement
- 81,000 SY
- 10" thick

Upcoming Project

Palmetto Parkway I-520 Phase II

- Part of Aiken/Augusta, GA Beltway.
- Consists of the completion of I-520 from US Route 1 to I-20.
- Project length is approximately 6.5 miles.
- PCC paving quantity is 312,000 sy.
- Design-Build project
 - US Group is the general contractor.
 - McCarthy Improvement is the PCC paving contractor.
 - Pavement design was specified by SCDOT.

Upcoming Project

Palmetto Parkway I-520 Phase II

■ Pavement Design:

- 11 inch Plain Jointed PCC
- 15 foot Joint Spacing
- 1.5 inch Dowels
- 2 foot Widened Lane/Asphalt Shoulders
- Diamond-Ground Surface Texture

■ Base Design:

- 2 inch Asphalt
- 8 inch Sand-Clay

Upcoming Project

Palmetto Parkway I-520 Phase II

- SCDOT's first design-build project with PCC pavement.
- The project was for a fixed price, so no bid prices for any individual items.
- Also, the contract had no provisions for bonuses; only for pay reductions.
- Many PCC standard specifications had to be rewritten to accommodate changes in acceptance responsibilities.