THE SOUTH CAROLINA PORTS AUTHORITY USE CONCRETE TO WITHSTAND HEAVY TRAFFIC LOADING

Utilizing a discharge technique that included installing vibrators into the producer’s tri-axle truck beds, allowed for placement of roughly 500 cubic yards of concrete per day. This technique also prevented build-up in the truck beds, and was the first time Knight’s Redi-Mix has ever undertaken a project with this type of discharge technique.

Concrete was chosen for this project because it was seen as the most durable, resilient and strong material to carry the weight of all the trucks and shipments traversing the port every day.

The addition of Phase 1 of this terminal to the Port of Charleston will add 700,000 TEUs annual throughput capacity. At full build-out, the three-berth terminal with five ship-to-shore cranes will double SC Ports’ current capacity. Per the SC Ports, this port addition is seen as one of the major reasons why Walmart decided to put its new distribution center in Dorchester County.