



QUICK REPAIRS KEEP THE COMMODORE BARRY BRIDGE OPEN

Project Type:

Bridge

Application:

Bridge deck repairs

Location:

Chester, PA

Project Dates:

March 27, 2020 – Fall 2020

Project Owner:

Delaware River Port Authority

Project Size:

70,000 sq. ft.

Product:

Rapid Set® DOT Concrete Mix

The Commodore Barry Bridge is a five-lane cantilever bridge across the Delaware River connecting Philadelphia, Pennsylvania, and Bridgeport, New Jersey. Recently, the Delaware Port Authority contracted out for repairs on the concrete pavement on the bridge. With as many as 14.6 million vehicles traveling over the bridge annually, it was time for some repairs.

The contracted crew used CTS Rapid Set DOT Concrete Mix for 70,000 square feet of partial depth bridge deck repairs. Rapid Set DOT Concrete Mix is a high-performance, fast-setting, multi-purpose concrete repair material that is ready for traffic and loading in two hours. It has integral air entrainment for long life in critical applications and conforms to ASTM C928 in the R3 category. Approximately 11,000 bags of the DOT Concrete Mix will be used for these repairs.

To make the repairs, Rapid Set DOT Concrete Mix was mixed onsite using a mortar mixer. The repaired areas were hand finished. A curing compound was used to help accelerate the cure.

The work began on March 27, 2020 and is ongoing throughout the fall of 2020. During this time, up to two lanes are closed at night and then reopened in the morning.