



## TXDOT USES RAPID-SETTING CONCRETE MATERIALS DURING HOT WEATHER

**Project Type:**

Infrastructure

**Application:**

Road and spall repairs

**Location:**

El Paso, TX

**Project Dates:**

March 3 – August 31, 2018

**Project Owner:**

TxDOT

**Contractor:**

Synergy Construction

**Project Size:**

90,000 cu. ft.

**Product:**

Rapid Set® Concrete Mix, Mortar Mix

In El Paso, Texas, the Texas Department of Transportation (TxDOT) made repairs to Rosa Ave. during the hot summer months in 2018. TxDOT used 4,700 pallets of Rapid Set® Concrete Mix and Mortar Mix to repair 180 miles of spalled, cracked concrete roadway for a total project size of 90,000 cu. ft.

The project began with contractor Synergy Construction removing the deteriorated sections measuring 6 feet long by 6 feet wide by 30 inches deep. After cleaning out the area and installing new rebar, the crew then applied the new concrete mix. The products, which met the state of Texas specifications and requirements, were mixed on-site with two mixing machines. Once the materials were poured in place, they were broom finished and water cured.

While the extremely hot weather, with temperatures ranging as high as 95° to 109° degrees Fahrenheit, presented a major challenge, crews kept plenty of ice water for the mix water to help extend the working time and wet burlap sacks on-site for curing.