



## BALTIMORE/WASHINGTON INTERNATIONAL THURGOOD WASHINGTON AIRPORT

**Project Type:**

Airport

**Application:**

Remove and replace centerline runway lighting

**Location:**

Anne Arundel County, MD

**Project Dates:**

July 1, 2011 – Oct 1, 2012

**Project Size:**

1,864 cu. yards

**Project Owner:**

Maryland Aviation Administration

**Contractor:**

Enterprise Electric

**Products:**

Rapid Set® Cement

Baltimore/Washington International Thurgood Marshall Airport is the primary international airport serving both Baltimore and Washington D.C. It is the busiest airport in Maryland and handles more passengers than all airports serving Washington and Philadelphia.

When the airport upgraded its runway lighting beginning in 2011, the contractor had to cut a six-to eight-foot-wide, two-foot-deep trench into the pavement to remove the original centerline lighting as well as core two-foot-diameter holes to remove and replace lighting canisters. The trenches and holes were then filled with Rapid Set® concrete.

Project specifications called for concrete that could achieve compressive strength of 3,500 psi in four hours. The Rapid Set Concrete mix design, which utilized Rapid Set Cement, was able to reach 3,500 psi in two hours—half the time specified. This allowed the contractor to perform more work each night, which in turn moved the project's schedule along faster, so the project could be completed sooner.