



## BOSTON AIRPORT CHOOSES LOW-P FA1 CONCRETE OVERLAY FOR FAST PAVEMENT REPAIRS

**Project Type:**

Airport Terminal

**Application:**

Bridge Deck Overlay

**Location:**

Boston, MA

**Project Dates:**

May 5-6, 2018

**Project Owner:**

Massachusetts Port Authority

**Contractor:**

indus

**Project Size:**

8,400 sq. ft.

**Product:**

Rapid Set® Low-P™ FA1

Boston Logan International Airport is one of the nation's busiest airports. Whenever road pavement repairs are required at passenger pickup and drop-off areas, the work must be done quickly to minimize traffic disruptions. This was the case in spring 2018, when Massachusetts Port Authority (Massport) needed to replace 8,400 square feet of a deteriorating bridge deck surface at Terminal B.

Massport had previously contracted indus (formerly Sealcoating Inc.), based in Braintree, Mass., to perform bridge deck pavement repairs at the airport's Rental Car Center. The contractor was able to fast-track the project by using CTS Cement's Low-P™ FA1 Cement for the pavement overlay. Based on the speed and success of that project, the port authority commissioned indus to remove and replace the overlay at Terminal B, specifying that repairs be made using the same material.

Low-P FA1 is a polymer-modified cement that when used in conjunction with aggregates will provide a durable concrete overlay that sets fast and provides high early strengths—typically reaching 3,200 psi in three hours. It has low permeability and is resistant to corrosion caused by chlorides and deicing salts, making it ideal for bridge deck overlays and pavement repairs. It is a high-value alternative to latex-modified, polyester, low-slump and microsilica/silica fume concrete products.

# PROJECT PROFILE

At Terminal B, the contractor removed the deteriorated pavement and used 300 cubic yards of Low-P FA1 to place a new 6-inch-thick overlay. The material was mixed with water and aggregates and batched by volumetric mobile mixer. To avoid having trucks parked on the bridge being repaired, the contractor used a conveyor to place the concrete, which enabled the indus crew to place the material from concrete trucks sitting as far as 200 feet away. After the final finishing, the crew covered the overlay with a wet burlap for curing. The pavement was ready for traffic in three hours.

The project was completed over the course of two days, May 5-6, 2018. The end result is a impermeable riding surface that provides corrosion resistance to the underlying deck reinforcement from road salts, providing long-lasting durability in Boston's four-season climate.

CTS Cement Manufacturing Corporation manufactures Rapid Set professional-grade cement products for concrete repairs and new construction projects. Contractors, owners, engineers and architects choose Rapid Set to eliminate problems they have with other concrete repair materials, to save time and money, when superior durability is required and results need to be aesthetically pleasing. For more information about CTS Cement and Rapid Set, please visit [www.CTScement.com](http://www.CTScement.com).

## ABOUT CTS CEMENT