

## Another Express Polymers **SOLID SOLUTION!**

### A tale of two tracks and their cracks

Express Polymers Inc. was requested to demonstrate its proprietary concrete repair products on two people mover tracks that had been repeatedly repaired and failed at a major southern International Airport. Nelson Tonet, President of Express Polymers and a practicing professional engineer and consultant, worked with their maintenance organization to identify and review the past problems. Analyzing the operating conditions and the prior repair results identified an opportunity to take advantage of the strong and unique performance characteristics of our **10-Minute Concrete Mender**. Intermittent cracks in the tracks created



an unsatisfactory ride and exacerbated maintenance problems with operating passenger cars vibrating unacceptably. Other track repairs were failing in a very short time and required major work to remove and replace. A solution to the crack repairs was readily apparent using **10-Minute Concrete Mender**. With the low viscosity of Mender (thin like water and orders of magnitude lower viscosity than other concrete repair products described as ultra low viscosity) it was the obvious choice to repair the cracks. Workers were amazed at how readily Mender

flowed into the tight cracks and how quickly the product cured in minutes. Maintenance workers learned very quickly how to install this thin, fast set product and quickly ramped up their production.

For the prior large failed repairs a technique was suggested that would preclude the major removals previously required to fix the conditions on the concrete track. This alternative solution was a test bed as the substrate condition would be a big factor in its success. As it turned out the application of Mender in a unique repair format eliminated the need to dismantle the previous repair.

Two very positive results came out of this unique people mover track repair. First of all the repairs for this regular annual maintenance event were completed in the shortest period of time ever experienced for this scope of work. Secondly, the operation of the train on the repaired tracks identified that it was traveling at a level of smoothness not experienced for quite some time. We are pleased to have been a part of this cost effective and timely rehabilitation effort. We also want to congratulate the members of the two shift maintenance teams as they quickly learned how to take advantage of **Concrete Mender**.

Express Polymers delivers knowledge, proprietary products and repair techniques for the repair and preservation of concrete for commercial, industrial, transportation, bridges, etc. ©2008

### **Express Polymers, Inc.**

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*Delivering knowledge and superior solutions for concrete results!*

Nelson R. Tonet, P.E., President

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