SIKA BRIDGE REPAIRS - KEEPING ATLANTA MOVING

Sika recently helped to complete vital repair works on a collapsed interstate bridge in Atlanta, Georgia. The team worked with Thomas Concrete and a new product - Sika® Control NS – to complete the work in just six weeks, a full month ahead of Georgia Transportation Department’s tight timescale.

The collapsed bridge of highway I-85 in Atlanta, Georgia, was repaired and reopened for traffic in just six weeks.

The I-85 interstate in Atlanta, Georgia suffered from severe damage following a fire below one of its bridges. Approximately 220,000 people commute daily using this route and the fire is said to be one of Atlanta’s most detrimental traffic-related incidents in a city that is ranked 8th worldwide for traffic congestion.
Sika® ViscoCrete®-2100, one of Sika’s leading concrete admixtures, and Sika’s new product Sika® Control NS were both supplied to support the repair project. Sika® ViscoCrete®-2100 was used to achieve design strength of the structure in less than seven days without the use of accelerators, whilst Sika® Control NS – a shrinkage compensating admixture - was used for the bridge deck to provide a crack-free and durable surface.

Thomas Concrete worked fast to cast new columns and a bridge deck. Justin Lazenby, Technical Services Manager, commented, “It was a really fast paced project. We had to do a lot of things really quickly and the performance of Sika® Control NS and Sika® ViscoCrete®-2100 had to match our service.”

As a result of excellent teamwork, the repair was completed in just six weeks, a full month ahead of schedule. This also meant tremendous cost savings considering the estimated USD 850,000 for each additional day that the closed bridge would have cost.

FURTHER INFORMATION
• Background information on the I-85 rebuild
• Read more about Sika® Control NS
• Watch the video