



## Transportation Structures

Tyfo® Fibrwrap® systems provide many retrofit solutions for vital civil infrastructure and has been used extensively on bridges, tunnels, elevated roadways, airports and other transportation infrastructure all over the world. Tyfo® systems can be used to strengthen transportation infrastructure for the following reasons:

- Increase load ratings
- Seismic retrofit of structural components
- Rehabilitation of corroded or distressed members
- Maintain the appearance and overall aesthetics of historic bridges
- Extend the service life
- Emergency repairs
- Construction error remediation

In the 1980s, the very first research conducted on the Tyfo® Fibrwrap® system was on bridge columns for added strength and confinement. These tests were quite successful and they led to the development of design procedures for various columns, beams/pier caps, walls, slabs/soffits and beam-column connections. Additional rigorous structural and durability testing was performed to gain acceptances from various city, county and state departments of transportation. The Tyfo® Fibrwrap® system provides cost-effective solutions, low impact and fast-track completion for most structural deficiencies.