

Project Brief

Flyaway Parking Structure

Beam Repair



Van Nuys, CA, USA
November 2004



The existing beam plastic hinge confinement and shear strength was enhanced using a combination of continuous 3/4" diameter Tyfo® SCH composite anchors along with the Tyfo® SCH-41 System.

A construction error was identified on the lower level beams during construction of the new parking facility at the Van Nuys Airport. The poor detailing of the required stirrups led to the required retrofit. Conventional schemes were not acceptable due to space restrictions. The retrofit had to provide confinement and shear strength without increasing the size of the beam.

A design proposal was prepared using the latest technology and construction techniques developed by the Fyfe Company. The Tyfo® SCH composite anchors were designed to provide the required confinement around the beam. The Tyfo® SCH-41 System was then bonded to the anchors to provide the additional shear strength requirements. The installation was done without interfering with the continued construction of the parking structure.

Fyfe Co. LLC

8380 Miralani Drive, Suite A, San Diego, CA 92126

Tel: 858.642.0694 Fax: 858.444.2982 Email: info@fyfeco.com www.fyfeco.com