

# SIGA

## STRUCTURAL ENGINEERING

Siga News

June 2007

### Repairs to Concrete Degradation



**Project:** Charles St Weir - Parramatta

**Type:** Commercial

#### Key Objectives

- Concrete cancer had affected the underside of the walkway to the weir and Siga was contracted to provide instructions on the rectification works.

#### Challenges

- **Pedestrian traffic:** as the walkway is heavily used by pedestrian traffic, pedestrian access of the walkway during the repairs needed to be considered.
- **Flooding:** this weir is subject to flooding when it rains! Yes, whilst it hasn't rained heavily in Sydney for some time there was some return of this rain early 2007. Of course, that's when the repairs just happened to be scheduled.



#### Siga Solutions

- Determining suitable solutions and material with the builder to cater for the submerged environment that the repairs would be exposed to.
- Inspections and discussions on site to consider the heritage listing constraints as well as the builder's schedule and working conditions.
- There were 7 different sections affected. Simplifying the specifications for the works for repairs was a necessity (some sections with 100% affected soffit, others as little as 20%).