



## Regency Road to Pym Street (R2P) Project

Swart & Sons were contracted to carry out painting and concrete repair works on a number of the components of this major government funded project, including the Regency Road overbridge, walkways and ramps, concrete panels and steel gantries.

The majority of the work was carried out directly for the R2P Alliance (McConnell Dowell) with additional work undertaken for other contractors on the project.

### Problem

This project presented many challenges, including working next to an active roadway, working at night, working both on and under bridges and walkways as well as working near mobile plant operated by others.

### Solution

Before any work commenced detailed risk assessments were carried out to ensure all safety and environmental considerations were taken into account.

### Result

All controls documented in the risk assessments were put in place and adhered to by all.

We are pleased to report that no safety or environmental incidents occurred for any of the work carried out by Swart.

## The project scope

Works began off-site, in August 2020, with preparation and application of anti-carbonation/anti-graffiti coating to concrete panels which were later transported and installed on site.

We mobilised to the roadway in October 2020.

During the project we:

- carried out work on over twelve separate components of the structures/roadway
- carried out work on five different surfaces
- used more than 30 different products
- carried out high risk construction work
- completed and recorded over 500 quality, safety and environmental records
- finished the project on time and on budget

## Quality Assurance Testing

The scope of this project necessitated substantial QA records be kept - environmental conditions, surface profiles, moisture content and coating thickness readings to name a few.

On completion detailed reports were provided evidencing compliance with all client and technical specifications.



**Concrete panels on the left cleaned, moisture tested and ready for coating; panel on the right coated with WFT testing being carried out**



**Application of three-component protective coating system to steelwork under Regency Road overbridge (deck diaphragm, weld and splice plates)**



**Preparing concrete piers for application of anti-carbonation/anti-graffiti coating under the work previously carried out on the Regency Road overbridge**

## Service checklist

These services were utilised in the planning and implementation of this project:

### Passive fire protection

- ☐ Fire-rated sealouts
- ☐ Fire-rated ductwork
- ☐ Petrochemical fire-proofing
- ☐ Fire sprays

### Concrete repairs

- ☐ Building maintenance
- ☒ Coating and protection for concrete structures
- ☐ Epoxy injection
- ☐ Slabjacking
- ☒ Concrete repair

### Waterproofing

- ☐ Water seepage control
- ☐ Torch-on membranes
- ☐ Liquid membranes
- ☐ Water-reactive polyurethane injection
- ☐ Hyperlon membranes

### Floor treatments

- ☐ Floor sealants
- ☐ Epoxy-based coatings

### Other services

- ☐ Industrial grouting
- ☒ Abrasive blasting
- ☒ Specialty protective coatings
- ☐ Heritage restoration