



## Pedestrian Bridge Painting, Mount Waverley

Swart & Sons were contracted by VicRoads in March 2019 to remove corrosion and apply protective coatings on a pedestrian bridge over Blackburn Road at Mount Waverley. Many challenges were faced during this project due to both the complexity of the project and the ownership of land abutting the bridge, however all works were completed within the specified timeframe and to the satisfaction of VicRoads and other stakeholders.

### Problem

VicRoads undertook an inspection of the bridge in 2016 and determined that parts of the bridge had severely corroded and were in need of repair. Due to the complexity of the project the work was deferred until 2019.

### Solution

Prior to tendering the project we carried out a detailed site inspection to ensure we understood the scope of the work required and how to best remediate the bridge to VicRoads specification.

### Result

The bridge was pressure washed to remove all surface contaminants and, where required, areas were treated by hand to remove all corrosion. A three-part protective coating system was then applied.

## The project scope

Before commencing the project the scope of works provided by VicRoads was read and understood by the Project Supervisor and the information disseminated to workers and contractors on the project.

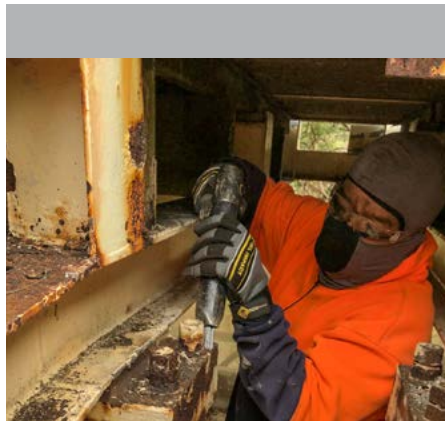
Before Swart & Sons workers commenced any work on the bridge, scaffolding was erected and a traffic management plan implemented.

All works to the walkway and underside of the bridge were then undertaken in accordance with the VicRoads specification, including the application of a three-part, zinc-rich protective coating system once the bridge had been cleaned and all corrosion removed.

At all times access to the bridge was maintained for pedestrians, cyclists and wheelchair access.

## Managing contractors

As this project was carried out on a bridge over a roadway, we engaged specialised contractors to carry out traffic management and scaffolding. Before engaging contractors we ensured they had a thorough understanding of the necessary work and all client requirements to be adhered to.



**Removing corrosion from underside of bridge prior to application of protective coatings**



**Final coat to handrails and intermediate coat to underside with containment erected to capture any falling debris**



**Bridge piers were cleaned and coated with a three-part protective coating system**

## 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