

CASE STUDY

V/Line – Tarneit Station Parking

LOCATION: Tarneit Station
CLIENT: V/Line Corporation (V/Line)
DATE COMPLETED: June 18



Introduction

As part of V/Line Corporation's on-going stations and depots program to improve safety and reliability of their operations, Global Rail Australia was awarded a contract to undertake installation of bollards and fencing at Tarneit Railway Station.

This project was created to increase safety and retain accessibility for shared path users by providing a solution to protect V/Line assets including its footpaths, kerbs, drainage utilities, signage, light poles, trees, and roadside garden beds, is one of a number of rail projects that Global Rail Australia has undertaken for this client.

Global Rail Australia supplied and installed all materials, labour, equipment and machinery necessary and incidental to the performance of the works at Tarneit Railway Station - which is on the Geelong Line - and their solution now allows the station's patrons to benefit from the remediation of the previous parking issues, which resulted in station public access paths often being used for parked vehicles.

Having a multi-disciplinary workforce with Rail, Civil and Structural Installation expertise, Mechanical and Electrical plus General Construction capabilities, alongside in-house construction management, allowed Global Rail Australia to provide a compelling bid and ultimately deliver a highly commended project on behalf of V/Line.

The Deliverables

Global Rail Australia was tasked with providing a fully managed programme of works, effectively coordinating with station staff and all other stakeholders to achieve full compliance with all relevant quality, safety and railway standards, based on the following scope of activities.

CAR PARK UPGRADE WORKS:

- ① Installation of fencing, bollards, wheel stops, and seats as highlighted in provided plan.
- ① Provision of a detailed specification for proposed fixtures (bollards, fencing, wheel stops and seats). Where possible installation of bollards and fencing should not alter existing width of access paths. Contractor to include proposed positioning of features as part of their proposal.
- ① Make good all surfaces after installation as per existing condition.
- ① Maintain all existing plantation (trees, garden beds) during installation process.
- ① Provision of accurate As Built documentation on completion of the works
- ① Removal of existing steel bollards near ramp entrance
- ① Erection of temporary fencing or protection around their worksite to ensure safety of the public at all time and ensure public access to the station is maintained at all times.
- ① Provision of traffic management for works affecting trafficable areas.
- ① The location of all services in the works area to enable safe positioning of the fencing and bollards.

GENERAL WORKS - CONSTRUCT, COORDINATE, SUPPLY AND/OR INSTALL:

- ① Provide all materials with anticorrosive finishes.
- ① Interfacing and coordinating with V/Line inspection and maintenance and operational activities on site or in vicinity of the works.
- ① The removal and transport of non-serviceable debris resulting from works off site. Recyclable materials separated and stored or stockpiled without intermixing with other surplus materials before transporting to recycling facilities in accordance and consistent with Environmental Protection Authority guidelines;
- ① Leave the workplace in clean and presentable condition ready for subsequent trades, V/Line staff, customers and prepared for finishes as specified;
- ① Coordinate with and induct all other contractors and subcontractors.
- ① Co-ordination of all third-party works including subcontractors and Related Works Contractors to provide an integrated solution.
- ① Locate, protect, modify or relocate existing services if needed including but not limited to VicTrack, V/Line, signalling, power, telecommunications on the Site (Services must be 'in service' at all times);
- ① Construct, supply and install vandal resistant materials with anti-vandal fixings in all publicly accessible areas. Materials must be colour matched to mounted surface;
- ① Complete asset register and redline drawings.
- ① Operations and Maintenance manuals.
- ① Prior to Practical Completion, explain and demonstrate to the V/Line's staff and Accredited Rail Operator nominees the purpose, function, operation and maintenance of the installations.

Challenges and Solutions

One of the major challenges of this project centred around maintaining live operation to the existing station whilst performing significant structural additions and improvements. Interface with the public, station staff and stakeholders was of paramount importance throughout the build.

In consultation and agreement with V/Line, a bespoke methodology and works staging plan was developed to address V/Line's requirements for no disruption to V/Line's ongoing passenger operations including full logistics management covering details of all proposed plant movements and equipment and materials deliveries.

The Benefits

By appointing Global Rail Australia as a single point of contact for the project, V/Line was again provided with the surety of a contracting organisation that would fully manage the project and the complex interfaces on its behalf.

Employing a contracting organisation deep rooted in the railway industry aided the planning and understanding of the unique complexities of working in a live rail environment in one of Australia's most famous railway stations.

The completed project will leave a lasting legacy for all project stakeholders. This project will improve the reliability of V/Line operations by increasing safety and retaining accessibility for shared path users. It also provides a long-term solution to protect V/Line assets such as footpaths, kerbs, drainage utilities, signage, light poles, trees, and roadside garden beds.