

MEND STREET JETTY SOFFIT CONCRETE REPAIRS

LOCATION

Mend Street
South Perth, WA

CLIENT

Ventia

PROJECT MANAGER

Graham Murphy

DESCRIPTION

The Mend Street Jetty, located on the southern shore of the Swan River and constructed circa 1975, operates as a Transperth Ferry Terminal. It's understood that maritime structures have a design life of approximately 50 years and the jetty, being roughly 46 years old, is approaching the end of its design life.

The jetty is comprised of a reinforced concrete deck, with extended drop-down edges sitting on circular steel piles and connected to the deck by a pile cap that is welded to the top of each of the piles. The jetty is 63.5m in length and 9m in width.

In December 2021, BUSS was engaged by Ventia to complete remedial concrete repairs to the deteriorated concrete soffits. The scope of work included the following:

- Breakout and removal of loose and delaminated concrete;
- Clean exposed steel and apply protective coating;
- Installation of rebar as required;
- Installation of anodes as required;
- Completion of concrete repairs; and
- Application of protective coating(s).

POINTS OF INTEREST

- Safe access & tide clearance required to conduct works;
- Specialised system developed and constructed to allow access to soffit for works completion; and
- Works were successfully completed on budget & to schedule.



Image 1: Mend Street Jetty



Image 2: Concrete breakout works in progress via specialised access system



Image 3: Concrete repairs in progress