

The Esplanade, Brighton Drainage Upgrade Works

Date

June 2014 – July 2014

Location

Brighton, Victoria

Project Value

\$140,000

Project Details

JAYDO has delivered three separate sections of the The Esplanade Drainage Upgrade Works consisted of the construction of a drainage system near the entrance to Brighton Beach with the aim of reducing localized flooding in the area.

This section of The Esplanade carries large traffic volumes, acts as a truck route and is part of one of the major cyclist routes in Melbourne. As well as the impact that flooding has had on these road users, access to Brighton Beach and the famous Brighton Bathing Boxes was also considered. The project was constructed for Bayside City Council.

Construction activities for The Esplanade Drainage Upgrade Works included:

- connections to Melbourne Water drain;
- construction of eight side-entry pits as four double pit locations;
- construction of two road crossings connecting these pits.

Key Challenges

The Esplanade (Beach Road) is an extremely busy thoroughfare with high vehicle movements throughout the day. In addition to vehicle and truck traffic, cyclist and pedestrian volumes are considerable.

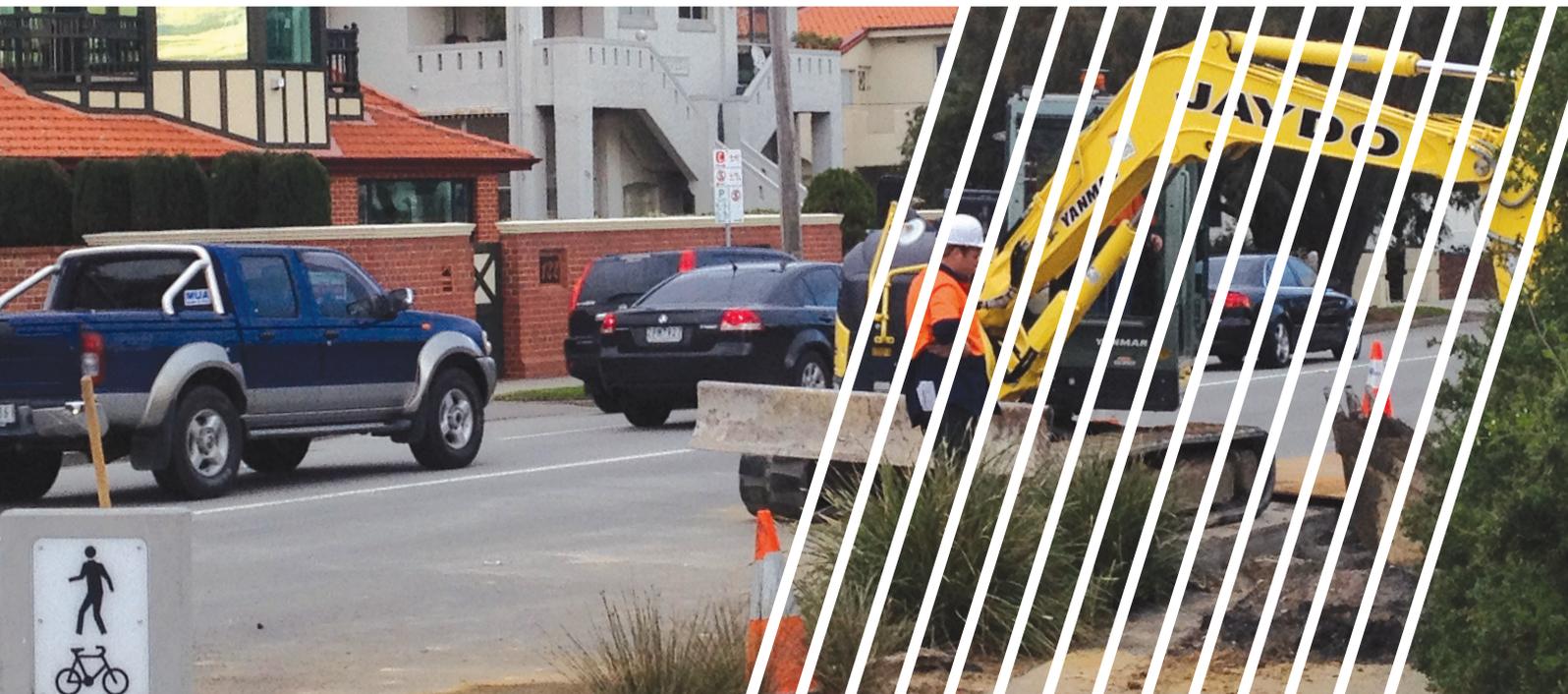
As the works required lane closures, it was not feasible to work during morning or afternoon peak periods due to the impact on traffic flow.

Some key challenging areas of the works included:

- Time management of works per day under restricted timeframe
- Management of traffic and cyclist movements
- Connection to Melbourne Water drain
- Protection and reinstatement of footpath and surrounds

Project Outcomes

The successful completion of this project has achieved the goal of the reducing the localized flooding along this section of The Esplanade. These pits have reduced the flow volumes over the roadway during heavy rainfall events, increasing safety for all road users and reducing load on downstream drainage systems.



JAYDO CONSTRUCTION

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