

## Welcome to the Construction Update for the Baypark to Bayfair Link (Bay Link) project.

CPB Contractors is carrying out the design and construction for Bay Link. The Construction Update provides an overview of what's happened and what's coming up for the project.

### Switching it up on Bay Link

A major traffic switch on State Highway 2/Maunganui Road was completed during the first weekend in November, enabling the next phase of the pedestrian and cycling underpass construction to begin.

This switch wasn't the first time lanes just north of the Bayfair roundabout have been reconfigured this year, with a previous traffic switch in April also altering the layout of this section of SH2/Maunganui Road.

#### Why are traffic switches required?

Construction on Bay Link is sequential with activities needing to take place in a specific order. This order helps inform traffic staging to ensure that work zones are accessible at the same time as two traffic lanes in each direction are maintained.

The project road corridor is a busy place with construction activity happening close to live traffic. Extensive planning goes into traffic staging to ensure the safety of pedestrians, motorists and road workers.

#### How have traffic switches been used this year?

*From January to March 2021 (pictured top right):* The work zone immediately north of the Bayfair roundabout was located in the middle of SH2 with traffic split either side. Ground improvement activities were underway in this central work area and also in the middle of a large Bayfair roundabout.

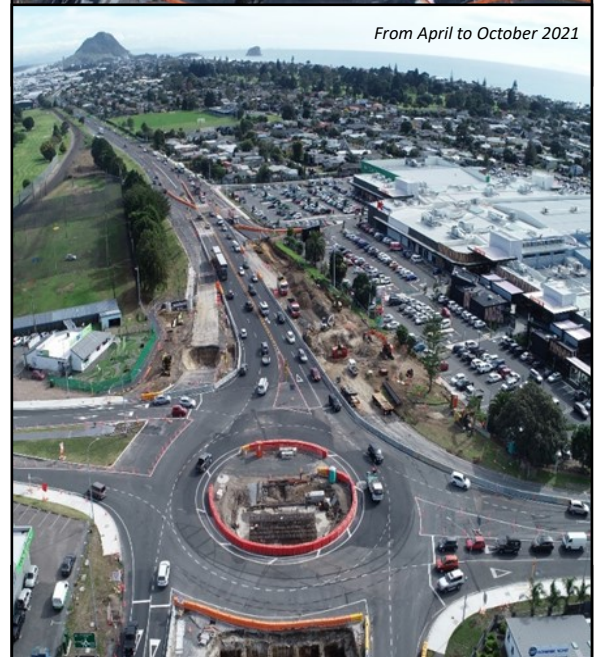
*From April to October 2021 (pictured middle right):* Once ground improvements were completed, the work zones were moved to the Matapihi and Bayfair verges in order to construct the outer box sections of the underpass. SH2 traffic was switched to the centre of the road and the Bayfair roundabout significantly reduced in size.

*From November 2021 (pictured bottom right):* The work zones returned to the middle of SH2 and a larger Bayfair roundabout. SH2 traffic in both directions is now travelling over the completed outer box sections of the underpass. The new work zones enable the construction of the underpass' central section (a 60-metre open-air trench), two bridge piers for the Bayfair flyover and the flyover's northern approach ramp.

While there will be minor traffic switches in the Bayfair area in future, SH2/Maunganui Road traffic will remain on the Matapihi and Bayfair verges until the Bayfair flyover is opened to motorists at project completion. Future traffic switches are also planned at the project's Te Maunga end, including when the southern interchange opens to motorists next year.



From January to March 2021



From April to October 2021



From November 2021

## Recent changes on Bay Link

In addition to the recent traffic switch, the following activities have progressed on the Bay Link project in recent weeks.

### Bayfair end:

- The outer sections of the underpass have largely been completed, with finishing works (including ramp concrete pours, drainage and landscaping) still to come.
- Pavement has been constructed on the SH2/Maunganui Road verges outside Golf 360 and Bayfair Shopping Centre (pictured right), and on the northern side of Girven Road.



Following the traffic switch (detailed on the previous page), some of this is now open to traffic.

- Site investigations and testing have been undertaken in the middle of Girven Road to help inform planning for future pavement construction in this area. The project team thanks motorists for their patience while single lane closures were in place.
- Following the traffic switch, excavation has begun on the foundations for the two remaining bridge supports for the Bayfair flyover. A second pier will be added in the middle of Bayfair roundabout while the third will be built in the middle of SH2 just north of the roundabout. At completion, the four-span Bayfair flyover will be supported by three bridge piers and two abutments.
- Bayfair Shopping Centre' first entrance/exit on Girven Road after the Bayfair roundabout has been constructed and reopened to motorists.
- Fascia support beams have been fitted to the retaining walls of the southern ramp of the Bayfair flyover. Precast concrete fascia panels, which provide the ramp's visible finish, will later be fixed to these support beams.

### Te Maunga end:

- The earth settlement period on the ramp between SH2 and the back of Eversham Road is complete and the surcharge material has been removed.
- Multiple concrete pours have been completed on the rail bridge, finishing off both approaches to this structure.
- Pre-cast barriers featuring cultural patterns designed by artists from local iwi have been delivered to site and will soon be installed on the rail bridge.

## Looking ahead

The following activities are planned in the remaining weeks of 2021, before the Bay Link site closes for the year on Thursday 23 December, 2021.

- The structural steel cages that form the columns of the two remaining bridge piers will be erected in, and beside, the Bayfair roundabout.
- Pavement construction will resume on the southern interchange at Te Maunga, ahead of this area opening to traffic next year.
- The bridge abutment (the concrete structure on which bridge beams sit) will be built on the southern ramp of the Bayfair flyover.
- The early stages of construction on the underpass' open-air trench and northern ramp of the Bayfair flyover will commence.

