

## 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.

### Going under Girven

People using Girven Road will be aware that the section between Gloucester Road and the Bayfair roundabout has been reduced to one lane in each direction.

The inside lanes on this section of Girven Road are temporarily closed to enable the road in this area to be replaced (pictured). In the central work zone, created as a result of the lane reduction, you'll continue to see crews excavate into the ground before the road is rebuilt.



### What happens after the old road is removed?

Bay Link roads are made up of four distinct layers – from the ground up:

- 1) subgrade,
- 2) sub-base,
- 3) basecourse and
- 4) surface.

Only the surface layer will be visible to motorists at the project's conclusion.

Road construction on Girven Road is taking place in the following stages:

- Once the existing asphalt is removed, the road is dug out down to the top of the subgrade level (approximately 500mm below the finished road level).
- A rigorous testing regime will be carried out on the exposed subgrade to ensure the new road is constructed on a solid foundation. Tests will be undertaken to a depth of 1500mm (approximately two metres below the finished road level) to check the subgrade's quality, including its density and composition. If organic material (such as topsoil, tree roots or shells) is discovered, it will be removed and replaced by a more stable material. Subgrade preparation is sensitive to wet weather, and rain during this stage may cause delays.
- Once the subgrade meets the required standard, a 150mm thick layer of sub-base will be constructed on top using roading metal.
- To form the basecourse, structural asphalt will be laid on top of the sub-base, up to 240mm thick, prior to these lanes reopening to traffic. The sections of permanent road that have already been constructed elsewhere on Bay Link, such as the left-hand lanes of Girven Road near the Bayfair roundabout, are all at this stage.
- Just prior to the project's completion a final 40mm layer of surfacing asphalt will be applied on Girven Road and across the site followed by final road marking.

### How long will the lane closures on Girven Road be in place?

Constructing a road is a complex process involving multiple specialist crews creating layers up to two metres below the final surface. The temporary lane closures are scheduled to remain in place until late March 2022, although this timeframe is indicative and may change due to unforeseen circumstances such as weather and/or ground conditions. This work needs to be completed during the warmer months as winter weather adds additional complexities and makes it more difficult for road construction.

The Bay Link project team thanks motorists, local residents and businesses for their patience while this work is underway.

### Why is the old road on Girven Road being replaced?

All existing roads within the extent of the Bay Link site are being replaced, including this section of Girven Road. More than 79,000m<sup>2</sup> of road is being constructed as part of the project.

## Recent changes on Bay Link

Bay Link's 2022 programme includes some significant project milestones such as the partial opening of the Te Maunga interchange and the use of the Bayfair underpass as a temporary route. In preparation for these, the following activities have been completed in recent weeks.

### *Bayfair end:*

- A second bridge pier is under construction inside the Bayfair roundabout. Steel reinforcement cages have been stood vertically and concrete columns poured. Steel reinforcement is being assembled for the pier head (the component on which bridge beams are placed), before this is poured in the first week of March .
- A third bridge pier is also under construction between the Bayfair roundabout and the underpass (pictured). Steel reinforcement cages have been stood and the pier base poured.
- The manufacturing of bridge beams, which will be installed on the Bayfair flyover in stages later this year, has begun offsite. The four-span flyover will comprise 24 beams (six beams per span).
- Base slabs have been poured in the central, open-air trench section of the underpass.



### *Te Maunga end:*

- Barriers and service ducting were installed on the bridge over State Highway 2 near the Te Maunga intersection during a weekend closure of SH2 in January. Crews worked around the clock with two cranes installing barriers simultaneously (pictured), enabling the closure to be completed ahead of schedule.
- Road construction is in full swing in this area, ahead of the partial opening of the Te Maunga interchange mid this year. The final stage of the ramp between the new southern roundabout and the rail bridge was recently asphalted. Subgrade testing and preparation is underway on the ramp between SH2 and Eversham Road, and the area between the two new Te Maunga bridges.
- Service ducting for traffic and street lights is also being installed.



## Looking ahead

Preparations for major changes at both ends of the project will continue over the coming weeks. These include:

- Pouring the pier head on the third pier of the Bayfair flyover (next to the underpass).
- Pouring the walls in the central section of the underpass. While the underpass isn't yet complete, it will soon be used as a temporary route for pedestrians and cyclists to enable construction of the northern abutment of the Bayfair flyover.
- Progressing road construction on the Te Maunga interchange.

## COVID-19 precautions

The Bay Link team continues to follow COVID-19 protocols introduced by the New Zealand Government, as well as implementing additional controls across site in order to minimise the risk to members of the public, motorists and our personnel. Should you need to contact the project, please phone 0508 222 4636 or email [baylinkproject@cpbcon.co.nz](mailto:baylinkproject@cpbcon.co.nz) rather than visiting the site office.

