

Christchurch Northern Corridor QEII Drive bridge abutments

PROJECT UPDATE

29 JULY 2019



FURTHER PILING WORK AND WALL RECONSTRUCTION

The Christchurch Northern Corridor (CNC) Alliance will be removing the wall panels for the QEII Drive bridge abutments from next week. This is so further piling work can happen. After the piling work is complete, we will reconstruct the wall panels and place the bridge beams.

Traffic impact - Night work

For safety reasons and to take advantage of low traffic volumes, work to remove the **northern** wall panels will occur at night. Traffic on QEII Drive in both directions will be stopped for about five minutes at a time while panels are removed. **We plan to start the night work on Wednesday 7 August and expect to be finished by 16 August.** Each night we work from 8pm until 6am. We will not work on the Saturday night. The wall panels on the south side will be removed during the day as these are a safe distance away from QEII Drive.

Why are we doing this work?

The ground conditions along QEII Drive are very poor

and although we took into account the soft ground, the bridge abutments (the approaches leading up to the bridge) and the walls have settled further than expected.

We have reviewed options to fix this and the best long-term option, which provides the greatest surety, is to deconstruct the walls, add new piles and reconstruct the walls.

Construction impact - Noise

To further improve the extremely soft ground in this part of the project we need to add more piles. A further 445 steel piles will be installed. This work starts mid-August and will be complete by late October.

After piling we will install new prefabricated wall panels and construct new bankseats (beam supports). In the new year we will place the beams.

Much of this work will be noisy, including some of the night work.



REDUCED
COMMUTER
TRAVEL TIME



REDUCED
CONGESTION



IMPROVE
SAFETY



IMPROVE
WALKING
AND CYCLING



SUPPORT
ECONOMIC
GROWTH



The work to four lane QEII Drive between Main North Road and Innes Road will be completed in June 2020.



Placing the beams for the Main North Road Bridge (a similar night time operation will occur at QEII Drive overbridge, planned for February 2020).

The new CNC motorway will go over QEII Drive while access to and from QEII Drive and the new motorway will be provided by double roundabouts below the bridge.

FREQUENTLY ASKED QUESTIONS

- **Will the QEII Drive Bridge be resilient?**

Doing this work now will ensure the bridge is built to last. The design and construction of the bridge is unchanged. This additional work will stabilise the ground beneath the bridge giving it good, long term resilience.

- **Would the bridge have collapsed if you did nothing?**

No, but after many years or after a major earthquake event it may have needed to be repaired. It is a better option to do this work now and achieve better long term resilience.

- **Are you expecting more ground problems?**

It is not uncommon for large construction projects to deal with unknowns or factors that cannot be properly understood until work begins. What is important is mitigating issues properly as they arise and we will continue to do this for the life of the project.

MORE ABOUT OUR INFRASTRUCTURE

The project involves local road and motorway bridges, subways, roundabouts and a shared use path.

If you would like to find out more information on how to use all the CNC infrastructure, there are several animated videos on our project website:

www.nzta.govt.nz/cnc

Also in the video section on our website is recent drone footage of the project.



You can call us on 0800 262 200 or email us at info@cncalliance.co.nz or visit our office at 145 Winters Road in Mairehau, accessed from QEII Drive only left in and out.