

# Christchurch Northern Corridor Styx River

PROJECT UPDATE

22 MAY 2019



## PILING WORK FOR STYX RIVER BRIDGE HALF WAY

The Christchurch Northern Corridor (CNC) Alliance is making good progress with the concrete piling work for the Styx River bridge foundation.

We have installed the first five of the ten steel reinforced concrete piles on the north side of the bridge. On Monday 27 May we will start with the remaining five piles on the south side of the bridge.

We vibrate and hammer the steel casing into the ground in sections, first 18m and then another section of 12m. The 30m of steel casing per pile creates a strong foundation for the bridge.

This type of piling is done by driving a steel casing down to a target depth, removing the drilled out material, adding steel reinforcing and then pouring concrete inside to form the piles.

The piles make contact with a hard layer around 30m below ground level. The hard layer and the friction between the pile and the ground supports the new bridge.

The piling work will be noisy and we want to thank you for your continued understanding and patience while we complete the bridge work and motorway alignment in your area.

In mid-July we will reinforce the concrete abutment across all of the piles on either side so it can carry the ten beams that make up the bridge.

The beams will be placed by the end of September this year. Construction on the separate pedestrian and cycle bridge will start later this year.

Work on the bridges will be completed by early 2020.



**REDUCED**  
COMMUTER  
TRAVEL TIME



**REDUCED**  
CONGESTION



**IMPROVE**  
SAFETY



**IMPROVE**  
WALKING  
AND CYCLING



**SUPPORT**  
ECONOMIC  
GROWTH



Looking north to the Styx River bridge location. Left of the motorway is the shared use path in construction.



First steel casing going in.



Removing the drilled out material before we add the steel reinforcement.



## FUTURE CONNECTIONS

The CNC motorway will run along the east side of the realigned Kā Pūtahi Creek. The motorway will cross the creek by a bridge which will include an underpass for pedestrians and cyclists.

A separate bridge will take pedestrians and cyclists over the Styx River.

Radcliffe Road and Prestons Road will pass over the top of the motorway on bridges. There is no access to the motorway from Radcliffe Road or Prestons Road.

## MORE ABOUT OUR INFRASTRUCTURE

The project involves local road and motorway bridges, subways, roundabouts and a shared use path. If you would like to know more you can watch our animated video series on our project website:

[www.nzta.govt.nz/cnc](http://www.nzta.govt.nz/cnc)



You can call us on 0800 262 200 or email us at [info@cncalliance.co.nz](mailto:info@cncalliance.co.nz) or visit our office at 145 Winters Road in Mairehau, access from QEII Drive (left in and out only). Sign up for email updates online at [www.nzta.govt.nz/cnc](http://www.nzta.govt.nz/cnc)