

Christchurch Northern Corridor Waimakariri Bridge - SH1

PROJECT UPDATE

25 JANUARY 2019



START LIFTING OPERATIONS - CONTRAFLOW TRAFFIC MANAGEMENT

The Christchurch Northern Corridor (CNC) Alliance is making good progress with widening the Waimakariri Bridge. Soon we will start lifting the steel beams to carry the extra lanes. This work will happen during the evening and night when traffic is light. A contraflow traffic control will be in place during several weekdays and weekends.

From **late February** we will start our lifting operations. The widening of the bridge will take place on the inside of the existing bridges.

As we lift the beams over the bridge to place them on the inside we will need to close the entire southbound bridge. You would have noticed our big crane next to this bridge. A contraflow traffic control onto the northbound bridge will often be used from late February.

In total we will need to place 34 spans (25m 25 tonne steel beams). This work will happen at night, during off peak hours and will take nine months to complete.

Traffic Impact

We will use contraflow traffic control when we close one of the bridges. We have sealed the space between the carriageways to allow traffic to cross from one lane to the other.

Contraflow traffic management is in place **on Sunday night 3 February** to install working platforms on the bridge. For this one night we will close the northbound bridge. The two southbound bridge lanes will be two-way. **Northbound traffic: please merge like a zip before the bridge to enter and exit the southbound bridge lane.** While we do this work at night there will be a 60 km/h speed limit in place.



REDUCED
COMMUTER
TRAVEL TIME



REDUCED
CONGESTION



IMPROVE
SAFETY



IMPROVE
WALKING
AND CYCLING



SUPPORT
ECONOMIC
GROWTH



A temporary sealed section of road at the southern and northern end of the Waimakariri Bridges accommodates the contraflow: on Sunday night 3 February traffic on the closed northbound bridge takes the southbound bridge to cross.

WHAT ARE WE DOING

We are progressing well with the drilling and scabbling works. To widen the bridge, we need to ensure the existing head stocks and the piers can carry the two new lanes and clip-on cycleway. We are going to strengthen them with steel. A steel carrier will be mounted on each side of the pier, like a steel sandwich.

To connect the new lanes with the existing deck and piers we will make new steel channels. Labourers will work in between the 17 bridge spans on small suspended scaffold platforms underneath the bridges. They will drill more than 11 thousand holes to install the steel reinforcing bars that will connect the new sections together.

So far we have drilled over 7,300 holes.

In early January this year we lifted the head stocks for the first two piers in place. These strengthen the existing piers. The new steel beams are placed on these new steel carriers. These beams are lifted onto the strengthened head stocks with a crane.

Lastly we will stitch and connect: joining the new and existing parts of the deck together, this work takes place on the bridge. Steel bars will lock the existing sections of the bridge to the new.

The lifting operations will be interesting to watch. However, please drive safely and keep your eyes on the road when you are driving.

For more information go to our website:

www.nzta.govt.nz/cnc



We have fenced off our site office and storage area, also our work areas under the bridge, please take care and stay behind the fences at all times.



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, only accessed left in and out from QEII Drive.